

BOEING REALTY CORPORATION FORMER C-6 FACILITY LOS ANGELES, CALIFORNIA

TECHNICAL MEMORANDUM

Quarterly Report No. 3 Second Quarter 2002

Extended Soil Vapor Extraction Pilot Testing and Full-Scale System Start-Up

To: Mr. Brian Mossman

Boeing Realty Corporation

3855 Lakewood Blvd.

Building 1A MC D001-0097

Long Beach, CA 90846

From: Haley & Aldrich, Inc.

Date: July 26, 2002

Re: Quarterly Report No. 3, Second Quarter 2002, Extended Soil Vapor Extraction Pilot

Testing and Full-Scale System Start-Up, Boeing Realty Corporation, Former C-6 Facility

- Parcel C, Los Angeles, California

Haley & Aldrich, Inc. has prepared this report to summarize extended soil vapor extraction (SVE) pilot test activities and full-scale system start-up conducted at the former Boeing C-6 Facility (subject property), in Los Angeles, California. During the period of April 1, 2002 through June 30, 2002, extended pilot testing was conducted in the following area:

Former Building 2

During the period of May 15, 2002 through June 7, 2002, full-scale SVE system start-up was conducted in the following area:

Former Building 1/36

This technical memorandum summarizes system operations, field measurements, vapor sampling and analysis, mass removal, extraction well optimization, and planned future SVE operations.

BACKGROUND

Laboratory results for soil samples collected in the former Building 1/36 and Building 2 areas at the subject property indicated the presence of volatile organic compounds (VOCs) at depth requiring remediation to prevent possible impact to groundwater. Based on the results of the investigation, shallow occurrences of impacted soil (less than 12 feet below ground surface) were excavated and disposed of at an approved facility. SVE was

Building 1_36 and Building 2 Quarterly #3

Quarterly Report No. 3 July 26, 2002 Page 2

recommended for the remediation of deep impacted soil. Haley & Aldrich was contracted by BRC to install and operate two extended SVE pilot tests to obtain data for the evaluation of using SVE as a full-scale remedy. Workplans for the pilot test activities in the Building 1/36 and Building 2 areas were submitted and approved by the Regional Water Quality Control Board, Los Angeles Region (LARWQCB) in May and September, 2001, respectively.

Initial pilot testing was completed in the Building 1/36 area in March 2002. An interim action SVE system was installed in the Building 1/36 area in April 2002. A workplan for the implementation of the interim remedial action SVE system was submitted and approved by the LARWQCB in October 2001.

BUILDING 1/36

Site grading began in October 2001 in the vicinity of the SVE pilot test system, therefore all of the initial wells were abandoned. At the end of November 2001, one dual-completion well (1-VEW-24A and B) was re-installed and the pilot test system once again began operation. An additional forty-one dual and single completion wells (1-VEW-1 through 1-VEW-26) were installed during the month of January 2002 as part of an SVE system scale-up. The location of the Building 1/36 SVE system is shown in Figure 1. The well field layout, including well screen depths is shown on Figure 2.

The Building 1/36 expanded SVE system consists of forty-three 3-inch diameter, single and dual-completion, SVE wells, a trailer-mounted, 1,000-standard cubic feet per minute (scfm) blower system, three 8,000-lb granular activated carbon (GAC) vapor control vessels (primary, secondary, and stand-by), and associated piping. Haley & Aldrich began system operation on May 15, 2002.

Operations for the second quarter 2002 covered the period May 15, 2002 to June 7, 2002. During this period, the system operated with an up-time efficiency of 90% and removed a total of approximately 4,196 lbs. of VOCs. Three GAC changeouts, 8,000 lbs. each, were completed during this period on May 21 and May 29, 2002 (both vessels). On June 7, 2002, the system shut down due to apparent vandalism. Exothermic reactions on the GAC beds continued until June 12, when upon discovery, the beds over-heated and were quenched with water. Due to the GAC beds overheating, system damage occurred that requires repair prior to re-start. GAC was removed from all three vessels on June 13, 2002 and the system remains off pending corrective measures.

SECOND OUARTER 2002 SVE OPERATION SUMMARY – BUILDING 1/36

Days of Operations	22
Available Days of Operation	24
Operational Time (%)	90
Mass Removed during Period (lbs)	4,196
Cumulative Mass Removed (lbs) (July '01-June '02)	9,189

OPERATIONS INFORMATION – BUILDING 1/36

Operational data and VOC mass removal for the SVE system are tabulated and shown graphically in Attachment 1. The system operation timeline for the period is as follows:

•	May 15, 2002	Full-scale system start-up
•	May 18, 2002	System shutdown, west vessel switched into primary position,
		system restarted
•	May 21, 2002	South GAC vessel was changed out (8,000 lbs), system
		restarted, south vessel as primary carbon

Building 1_36 and Building 2 Quarterly #3

Quarterly Report No. 3 July 26, 2002 Page 3

•	May 27, 2002	System shut down, GAC breakthrough
•	May 29, 2002	South and West GAC vessel were changed out (16,000 lbs),
		system restarted, west vessel as primary
•	June 3, 2002	North vessel as primary and south vessel as secondary carbon,
		system modifications installed
•	June 7, 2002	System shutdown due to apparent vandalism
•	June 12, 2002	GAC bed over-heating and water quenching
•	June 13, 2002	Additional quenching and GAC removal

Total days of operation for this period was approximately 22 with downtime due to apparent vandalism of the system and GAC over-heating. This equates to an up-time of approximately 90 percent when compared with the days available for operation as shown in Attachment 1, Graph 1.

During the period from May 15, 2002 through June 7, 2002, VOC vapors were drawn individually from all wells (VEW-1 through VEW-26B) with initial readings taken to calculate optimal flow and VOC removal at the wellheads. The process flowrates ranged from approximately 364 to 1,060 scfm. Inlet vacuums ranged from 60 to 109 inches of water column (inches H₂O).

For this reporting period, approximately 4,196 lbs. of VOCs were extracted from the SVE wells and treated with GAC during 503 hours of operation a shown in Attachment 1, Graph 2. Since July 2, 2001 (initial small-scale pilot test start-up) approximately 9,189 lbs. of VOCs have been extracted during approximately 3,873 hours of initial and expanded SVE pilot test operation. Operation of the SVE system is in compliance with the site-specific permit from the South Coast Air Quality Management District (SCAQMD).

FIELD MEASUREMENTS - BUILDING 1/36

VOC concentrations were measured with a PID or flame-ionization detector (FID), calibrated to 100 parts per million by volume (ppmv) hexane, at the undiluted inlet, diluted inlet, between the GAC vessels, and at the exhaust stack. Flowrates were measured with a hand-held TSI Veloci-clac Plus hot-wire anemometer or direct reading pitot tube. Additional measurements were collected during operation including vacuum readings at each extraction well, pressures at the GAC vessels, and blower exhaust temperature. The field influent VOC concentration measurements are plotted in Attachment 1, Graph 3.

VAPOR SAMPLING AND ANALYSIS-BUILDING 1/36

For this period, two pairs of vapor samples were collected in Tedlar bags from the process air stream (inlet to primary GAC vessel and exhaust from the secondary GAC vessel) and delivered to a state-certified laboratory for analysis. These samples were collected for SCAQMD permit compliance as well as system performance evaluation. The vapor samples were collected using a Tedlar bag in a vacuum case. Laboratory analyses were conducted on vapor grab samples using EPA Method 8260B/TO-14A. The full results of the vapor sampling are summarized in Attachment 1, Tables 1, 2, and 3.

Based on the results of the laboratory analysis of vapor grab samples, maximum inlet VOC concentrations as parts per billion by volume (ppbv) for the period are as follows:

•	1,1,1 Trichloroethane (1,1,1 TCA)	220,000 ppbv
•	Toluene	170,000 ppbv
•	2-Butanone (MEK)	150,000 ppbv
•	1,1 Dichloroethene (1,1 DCE)	83,000 ppbv
•	Trichloroethene (TCE)	48,000 ppbv
•	Methylene chloride	8,400 ppbv
•	1,1 Dichloroethane (1,1 DCA)	2,700 ppbv
•	Xylene	2,500 ppbv
•	Cis-1,2 Dichloroethene (Cis-1,2 DCE)	1,700 ppbv
•	1,2 Dichloroethane (1,2-DCA)	560 ppbv
•	Tetrachloroethene (PCE)	260 ppbv
•	Chloroform	240 ppbv
•	Trichlorofluoromethane	150 ppbv

Reported influent concentrations varied during the period due to the effects of different operational configurations. Effluent vapor samples collected on May 21 and June 3 were within SCAQMD permit requirements with the exception of methylene chloride on June 3, 2002. The SVE system is currently off.

EXTRACTION WELL OPTIMIZATION – BUILDING 1/36

Well optimization was conducted during system start-up. One round of VOC concentrations were measured by FID at each extraction well at various flowrates during this quarter. These data were used to establish the flow regime under which maximum VOC concentrations can be extracted from the wells. All extraction wells were operated in May-June (within permit limitations) for approximately one month at flow regimes generating the maximum concentration per flowrate. Wells exhibiting lower concentrations, which do not significantly contribute to mass removal, were closed so that the available SVE system flow capacity could be used for the higher concentration wells. Well optimization curves are plotted on Figures 4 and 5.

ACTIVITIES FOR NEXT QUARTER – BUILDING 1/36

Over-heating of the GAC beds is thought to be the result of higher than expected concentrations of 2-Butanone or methyl-ethyl ketone (MEK) in extracted vapors over the last week of operations in the Building 1/36 area. System shutdown by vandalism further prevented excess heat from being carried away by air flow. This process can be controlled by carefully monitoring operating conditions such as MEK influent concentrations, exit gas temperatures, and carbon monoxide (CO) concentrations in the GAC vessels. Safety features such as the installation of a cooling air blower, process monitors and control logic, and a water quench system are also recommended. Haley & Aldrich and Boeing Realty Corporation (BRC) are currently undertaking the design and procurement of SVE system modifications to facilitate continuation of GAC-based SVE in the Building 1/36 area. Re-start of the Building 1/36 system will include vapor sampling of wells to isolate the MEK-impacted area. System re-start is anticipated in September, 2002.

A Third Quarter 2002 report summarizing activities during the period July 2002 through September 2002 will be prepared and submitted in October 2002.

BUILDING 2

The Building 2 extended pilot test system consists of seventeen 2-inch diameter, PVC, single and dual-completion SVE wells, a trailer-mounted, 800-actual cubic feet per minute (acfm) blower system, two 3,000-lb GAC vapor control vessels (primary and secondary), and associated piping. Haley & Aldrich installed the initial pilot test wells

Building 1_36 and Building 2 Quarterly #3

Quarterly Report No. 3 July 26, 2002 Page 5

in September 2001 and began system operation on November 27, 2001. Two additional dual-completion extraction wells (2-VEW-16A/B and 2-VEW-17A/B) were installed on May 1, 2002. The multiple locations SCAQMD permit was modified to allow an increase in total flow rate to 890 scfm. The location of the Building 2 pilot test is shown in Figure 1. The well field layout, including well screen depths is shown on Figure 3.

Operations for the first quarter 2002 covered the period April 1, 2002 to June 30, 2002. During this period, the system operated with an up-time efficiency of 93% and removed a total of approximately 810 lbs. of VOCs. Five GAC changeouts, 3,000 lbs. each, were completed during this period on April 4 (both vessels), May 2, May 16, and May 13, 2002.

During this quarter, approximately 300 gallons of water were collected from the knockout system. A double-contained polyethylene tank was installed at the site to temporarily store knockout water.

FIRST QUARTER 2002 SVE OPERATION SUMMARY - BUILDING 2

Days of Operations	85
Available Days of Operation	91
Operational Time (%)	93
Mass Removed during Period (lbs.)	810
Cumulative Mass Removed (lbs.) (Nov'01-June'02)	2,607

OPERATIONS INFORMATION – BUILDING 2

Operational data and VOC mass removal for the extended SVE pilot test system are tabulated and shown graphically in Attachment 2. The system operation timeline for the period is as follows:

•	April 4, 2002	System shutdown, two GAC vessels were changed out (6,000 lbs), system restarted
	A 21.14.2002	· · · · · · · · · · · · · · · · · · ·
•	April 14, 2002	System shutdown unattended due to low flow switch
•	April 17, 2002	System restarted
•	May 1, 2002	System shutdown due to carbon breakthrough, Wells 2-VEW-16 and 2-VEW-17A and B were completed
•	May 2, 2002	One GAC vessel was changed out (3,000 lbs), system restarted
•	May 16, 2002	System shutdown, one GAC vessel was changed out (3,000 lbs), system restarted
•	June 7, 2002	SCAQMD issued a new permit A/N 401433
•	June 13, 2002	System shutdown, one GAC vessel was changed out (3,000 lbs), system restarted

Total days of operation for this period was approximately 85 with intermittent downtime due to GAC changeout. This equates to an up-time of approximately 93 percent when compared with the days available for operation as shown in Attachment 2, Graph 4.

During the period, VOC vapors were drawn from 2-VEW-3B, 4, 5, 6, 7A, 7B, 8A, 8B, 9, 10A, 10B, 11B, 12, 13B, 14B, 15B with valves open to optimized flow rates and concentrations at each of the wellheads. Individual optimal SVE well flow rates ranged from 5 to 98 scfm for a total flow rate from the well field of 630 to 710 scfm. Well optimization is discussed further below. The process flowrates ranged from 630 to 740 scfm. Inlet vacuums ranged from 41 to 65 inches H₂O.

For this reporting period, approximately 810 lbs. of VOCs were extracted from the SVE wells and treated with Building 1_36 and Building 2 Quarterly #3

Quarterly Report No. 3 July 26, 2002 Page 6

GAC during 2,023 hours of operation. Since November 27, 2001 approximately 2,607 lbs. of VOCs have been extracted during approximately 4,634 hours of operation. Effluent vapor samples collected on June 4 were within SCAQMD permit requirements with the exception of Toluene under the previous permit. 1,1-DCE exceeded previous permit conditions on June 4, 2002. GAC was changed out on June 13, 2002.

FIELD MEASUREMENTS - BUILDING 2

VOC concentrations were measured with a PID and/or FID, calibrated to 100 ppmv hexane, as per the SCAQMD permit requirements, at the undiluted inlet, diluted inlet, between the GAC vessels, and at the exhaust stack. Flowrates were measured with a hand-held TSI Veloci-calc Plus hot-wire anemometer or by measuring the pressure differential across an orifice plate. Additional measurements were collected during operation including vacuum readings at each extraction well, pressures at the GAC vessels, and blower exhaust temperature. The field influent VOC measurements are plotted in Attachment 2, Graph 5.

VAPOR SAMPLING AND ANALYSIS – BUILDING 2

For this period, twelve vapor samples were collected in Tedlar bags from the process air stream (inlet to primary GAC vessel and exhaust from the secondary GAC vessel) and delivered to a state-certified laboratory for analysis. These samples were collected for SCAQMD permit compliance as well as system performance evaluation. The vapor samples were collected using a Tedlar bag in a vacuum case. Laboratory analyses were conducted on vapor grab samples using EPA Method 8260B/TO-14A. The full results of the vapor sampling are summarized in Attachment 2, Tables 4, 5, and 6.

Based on the results of the laboratory analysis of vapor grab samples, maximum inlet VOC concentrations as ppbv for the period are as follows:

•	Trichloroethene (TCE)	19,000 ppbv
•	1,1 Dichloroethene (1,1 DCE)	1,700 ppbv
•	Chloroform	640 ppbv
•	Trichloroethane (1,1,1 TCA)	560 ppbv
•	Toluene	520 ppbv
•	Tetrachloroethene (PCE)	190 ppbv
•	Cis-1,2 Dichloroethene (cis-1,2-DCE)	120 ppbv
•	1,1 Dichloroethane (1,1-DCA)	96 ppbv
•	Methylene Chloride	49 ppbv
•	Trichlorofluoromethane	45 ppbv
•	Xylene	18 ppbv

Reported influent concentrations varied during the period due to system optimization efforts.

EXTRACTION WELL OPTIMIZATION – BUILDING 2

Data collection and adjustment of extraction well flow rates began in November 2001. Well optimization continued during the second quarter of 2002. One round of VOC concentrations were measured at each extraction well by PID at various flowrates during this quarter. These data were used to establish the flow regime under which maximum VOC concentrations can be extracted from the wells. Sixteen extraction wells exhibiting the highest VOC concentrations were operated in April through June (within permit limitations) at flow regimes generating the maximum concentration per flowrate. Wells exhibiting lower concentrations, which do not significantly contribute to mass removal, were closed so that the available SVE system flow capacity could be used for the higher concentration wells. Figure 6 illustrates the remediation progress since November 2001.

Building 1_36 and Building 2 Quarterly #3

ESTIMATED SVE OPERATION DURATION - BUILDING 2

In an effort to predict the asymptotic VOC concentrations and identify the time at which continued operation becomes impractical, a regression analysis of available data was performed and refined. Undiluted influent vapor concentration data was used in the regression analysis to estimate the remaining period of operation for the Building 2 SVE system, based on mass removal rate and concentration targets. The analysis was conducted according to the following regression equation:

$$M_t = M_o e^{(-kt)}$$

Where:

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M_t = mass removal rate (lbs./day) at time t (days) M_o = initial regressed mass removal rate (lbs./day) k = exponential rate constant (day ^{-1}) t = time (days)
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Two limiting endpoints were defined as the times at which a 90% and a 99% reduction in the regressed initial mass removal rate will occur (t 90% and t 99%), assuming an exponential decline.

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t_{90\%} = 2.303 / k

t_{99\%} = 4.605 / k
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Based on the above calculations and data collected through July 3, 2002, a 90% reduction in the regressed initial mass removal rate is predicted to occur after approximately two additional months of operation in August-September 2002 (Attachment 2, Graph 7). A 99% reduction in the regressed initial mass removal rate is predicted to occur after approximately seven additional months of operation in January-February 2003. These results extend the predicted 90% and 99% removal dates by approximately one month when compared to previous predicted dates.

The above model was also applied to VOC concentration data from each extraction well. Data for the extraction wells is based on PID readings at the wellheads and includes more data points. An average rate constant for the group was calculated as follows:

$$C_t = C_o e^{(-kt)}$$

Where:

 C_t = concentration (ppmV) at time t (days) C_o = initial regressed concentration (ppmV)

Based on data collected to-date, a 90% reduction in the initial regressed well concentrations occurred in March or April 2002 (Attachment 2. Graph 8). Measured concentrations have decreased at least 90% in most of the wells based on second quarter 2002 monitoring. A 99% reduction in the initial regressed well concentrations is predicted to occur in July or August 2002 based on the latest data. These estimates extend the time period by approximately one month over previous estimates and will be refined over the next quarter as VOC concentrations continue to decline.

ACTIVITIES FOR NEXT QUARTER – BUILDING 2

Building 1_36 and Building 2 Quarterly #3

Quarterly Report No. 3 July 26, 2002 Page 8

The extended SVE pilot test will continue operation on SVE wells selected to maximize mass removal. GAC changeouts will be conducted as necessary. Data collected will be applied to the regression model to further refine the predicted time when asymptotic concentrations and mass removal levels will be reached. A Third Quarter 2002 report summarizing activities during the period July 2002 through September 2002 will be prepared and submitted to BRC in October 2002.

We appreciate the opportunity to provide environmental consulting services on this project. Please do not hesitate to call if you have any questions or comments.

Sincerely yours,

HALEY & ALDRICH, INC.

Richard M. Farson, PE Senior Engineer 30 M /₂ 30 M /₂ 47269 COPRES (2400) 2 4 (279) 35

Scott P. Zachary Project Manager

Enclosures:

Figure 1 – SVE System Locations Building 1/36 and Building 2

Figure 2 – Building 1/36 SVE System Diagram

Figure 3 – Building 2 SVE Pilot Test System Diagram

Figure 4 – Building 1/36 Full-Scale System, Flow vs. Concentration (Very High and High)

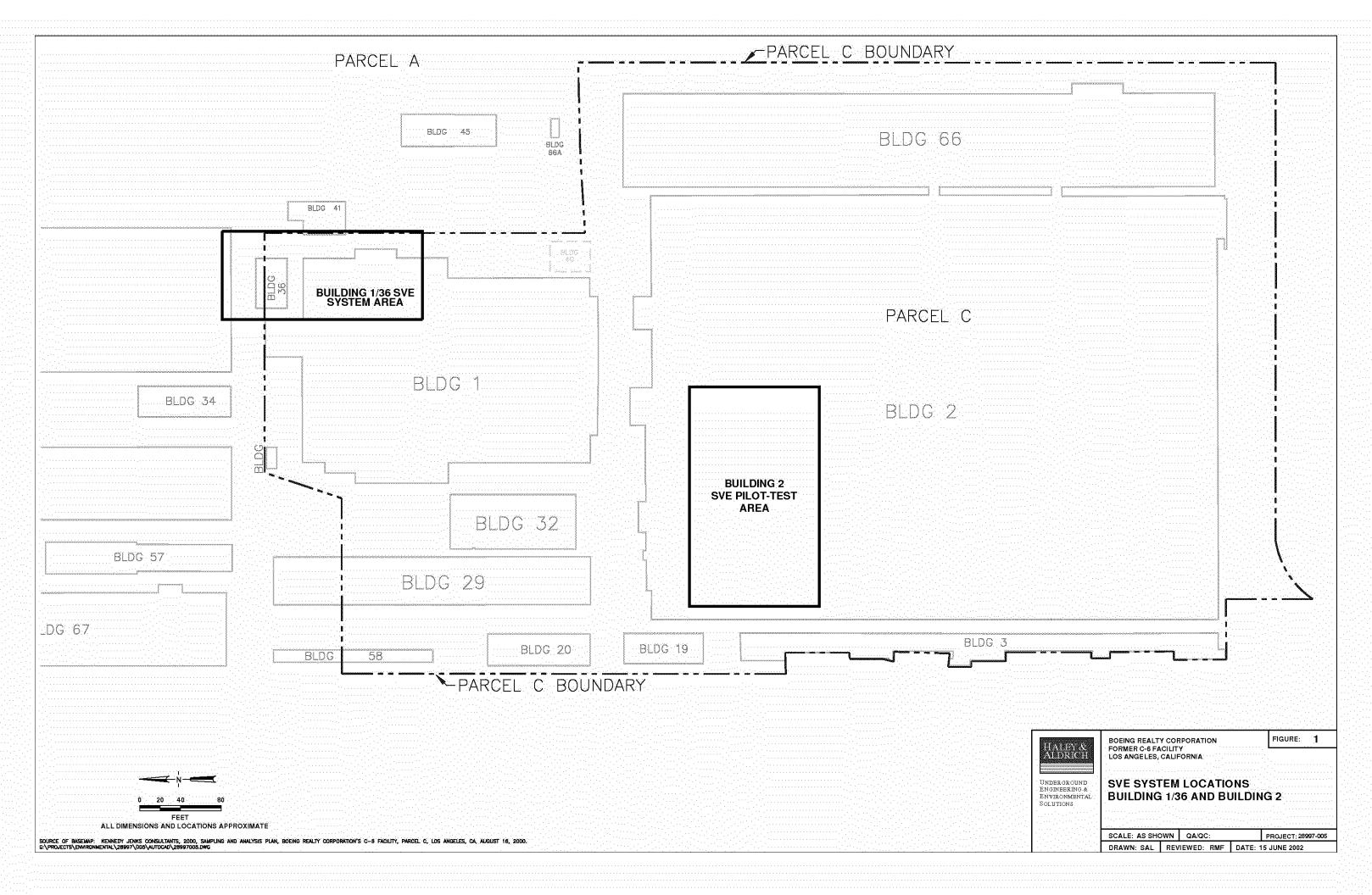
Figure 5 – Building 1/36 Full-Scale System, Flow vs. Concentration (Medium and Low)

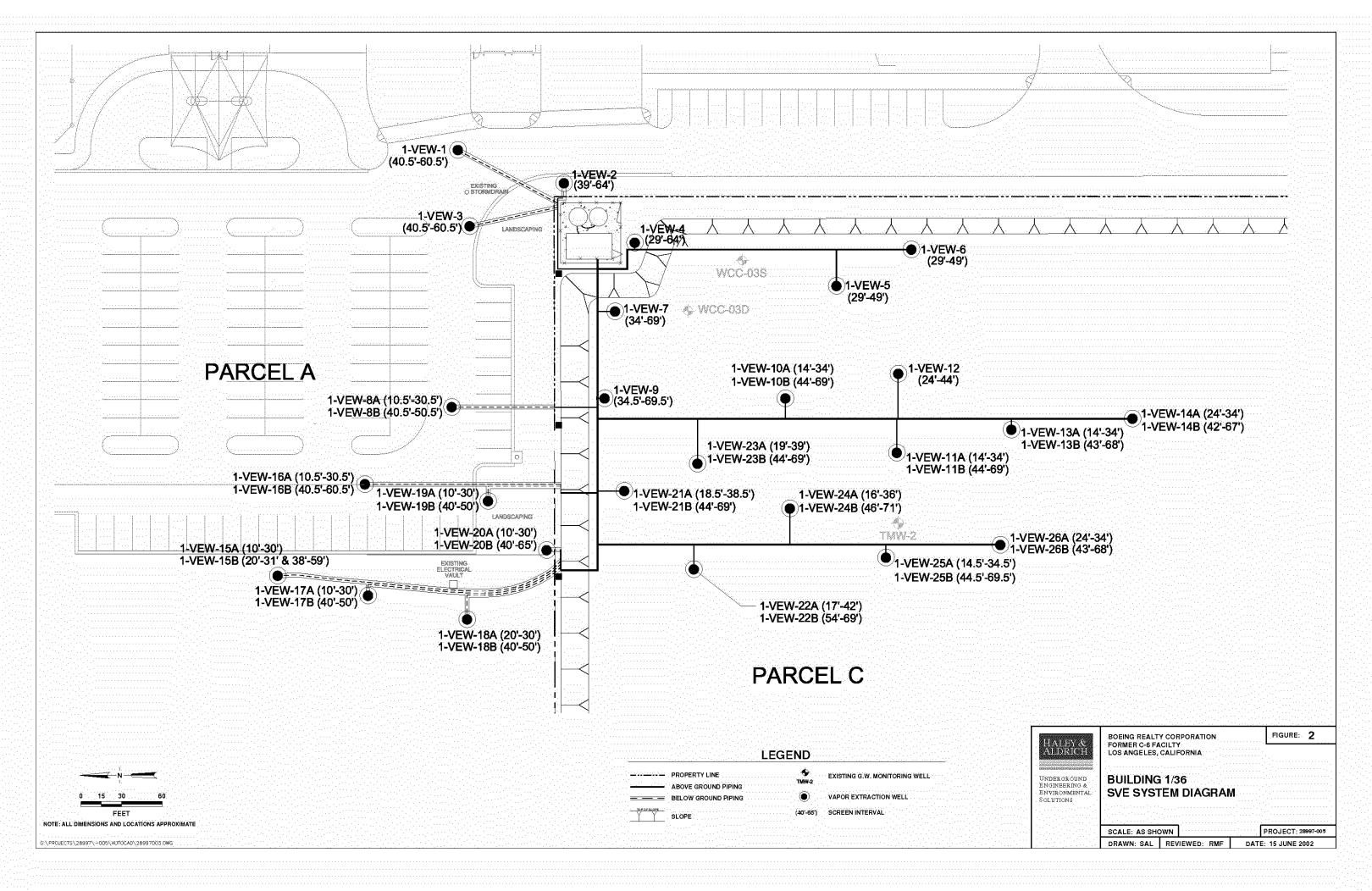
Figure 6 – Building 2 SVE Pilot Test System Contours

Attachment 1 – Building 1/36 SVE Operational Data

Attachment 2 – Building 2 SVE Operational Data

cc: John Scott, Boeing Scott Zachary, Haley & Aldrich Richard Farson, Haley & Aldrich File





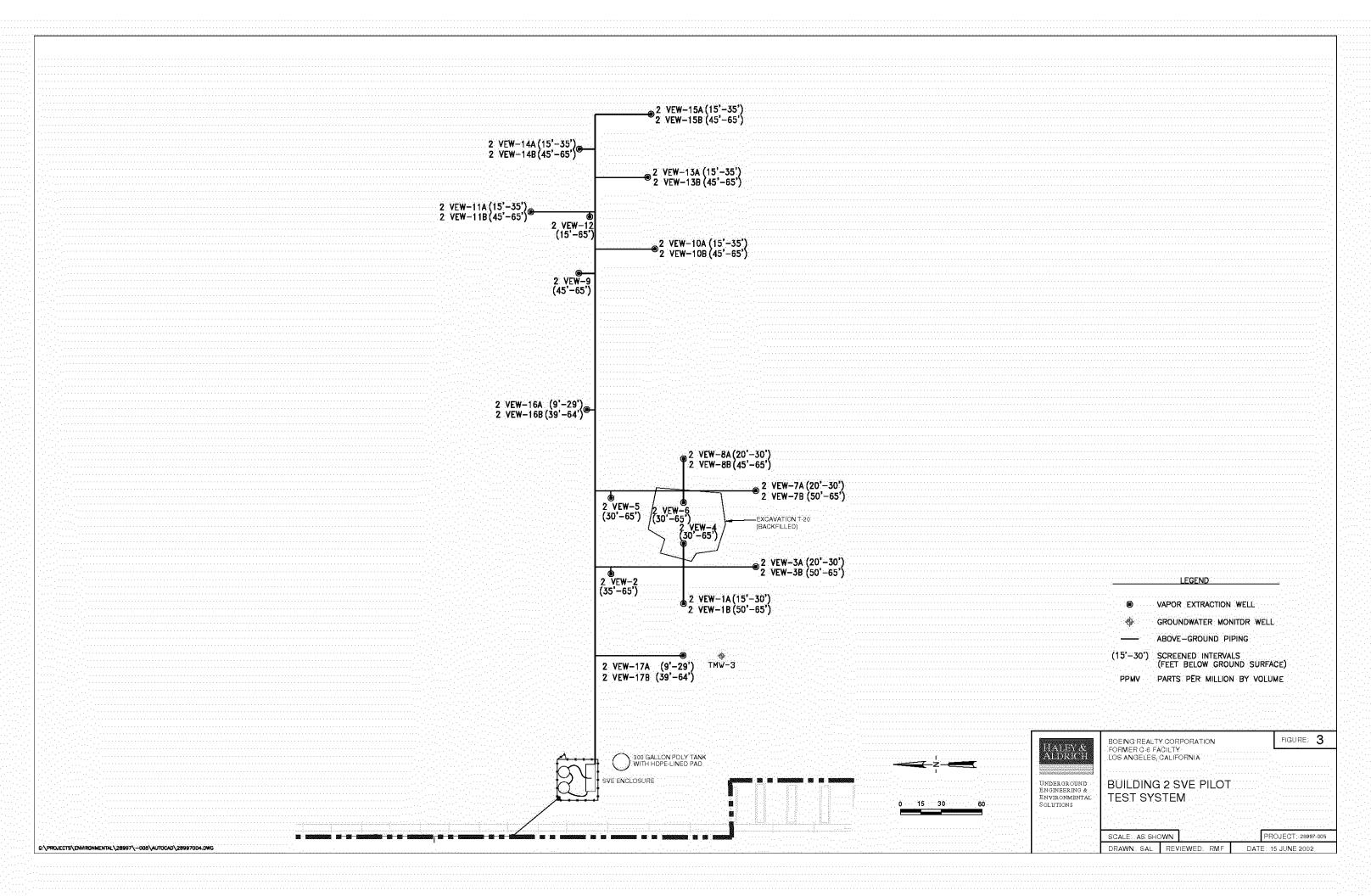
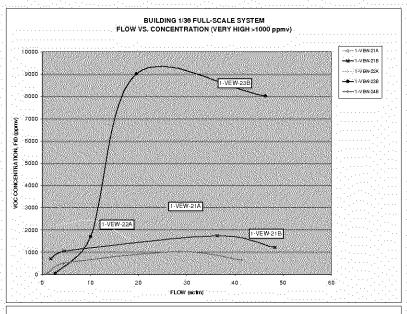


FIGURE 4 BUILDING 1/36 FULL-SCALE SYSTEM FLOW VS. CONCENTRATION (VERY HIGH AND HIGH)



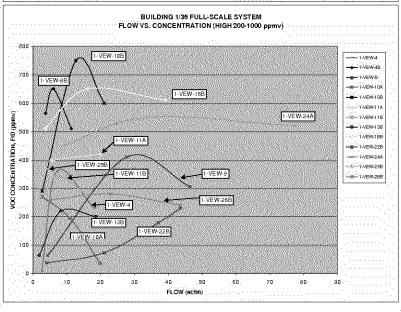
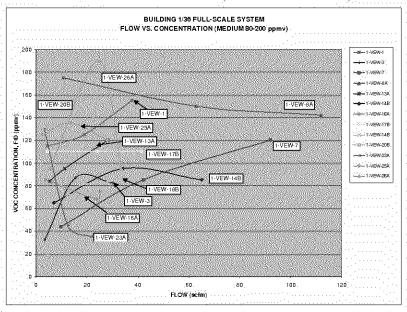
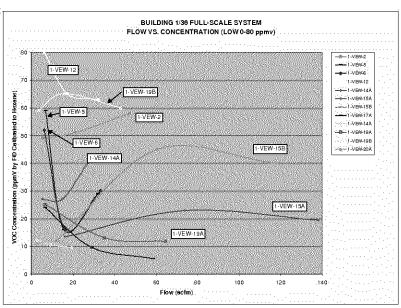
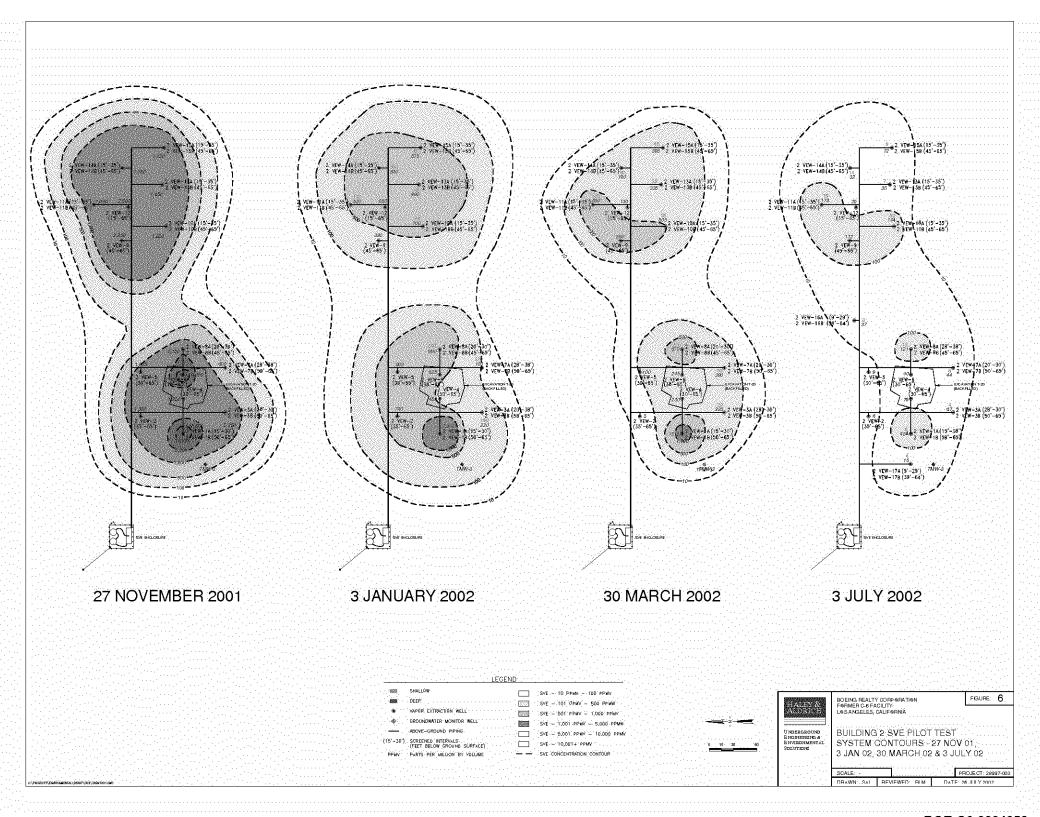


FIGURE 5
BUILDING 1/36 FULL-SCALE SYSTEM
FLOW VS. CONCENTRATION (MEDIUM AND LOW)







ATTACHMENT 1

BUILDING 1/36 SVE OPERATIONAL DATA

TABLE 1 - BUILDING 1/36 SVE SYSTEM INFLUENT LABORATORY DATA

Site Name:BRC Former C-6 FacilityLocation:Torrance, CaliforniaSystem:Building 1/36 SVE system

	SAMPLE DATE	1/3/2002	2/7/2002	3/6/2002	5/21/2002	6/3/2002
COMPOUND	SAMPLE TYPE	Diluted Inlet	Diluted Inlet	Inlet	Inlet	Inlet
3000	LAB ID	DILUTED_BLDG1_010302	DILUTED_BLDG1_010302	DILUTED_BLDG1_010302	GAC0001D_AV052102_000 1	GAC0001D_AV060302_000 2
1,1 Dichloroethene (ppbv)	•	32,000	140,000	140,000	83,000	43,000
Methylene chloride (ppbv)		ND	300	2,500	6,200	8,400
1,1 Dichloroethane (ppbv)		1,400	3,700	5,700	2,200	2,700
1,2 Dichloroethane (ppbv)		ND	250	560	ND	ND
cis-1,2 Dichloroethene (ppbv)		380	1,600	2,800	1,400	1,700
1,1,1 Trichloroethane (ppbv)		34,000	170,000	220,000	15,000	220,000
1,1,2 Trichloroethane (ppbv)		ND	120	ND	ND	ND
Trichloroethene (ppbv)		12,000	45,000	61,000	48,000	29,000
Tetrachloroethene (ppbv)		ND	190	1,600	260	ND
Toluene (ppbv)		1,800	81,000	210,000	22,000	170,000
2-Butanone (MEK)		ND	ND	ND	62,000	150,000
4-Methyl-2-pentanone (MIBK)		ND	ND	250	2,100	14,000
Xylene (ppbv)		ND	1,700	5,000	910	2,500

Notes:

ppbv = parts per billion by volume ND = Below method detction limits

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 1/36 SVE system

	Carananan	Na <u>da</u> lak							
DATE	HOUR	TIME	UNDILUTED	UNDILUTED	and the second s	DILUTED INFLUENT	MID PONT	EFFLUENT	COMMENTS
	METER		FLOW RATE (1)		FLOW RATE (I)		ARBON CONC. PID (2)		
			(scfm)	(inches H2O)	(scfm)	(ppmv)	(ppmv)	(ppmv)	
01/03/02	1625	13:15	32	48	.200	320	0.0	0.0	
01/10/02	1794	14:00	30	17	200	.390"	0.1		
01/18/02	1980	8:30		15	184		0.0	0.0	
01/24/02	2127	11:00	93	.15	.178	>9,999	0.0		
01/31/02	2294	13:45	NR	. 13	.175	4,000	63	0.0	GAC Changeout
02/07/02	2324	16:50	50		165	3,540		0.0	
02/15/02	2517	17:50	40	NR	170	3.600	26	0.1	
02/21/02	2661	17:44	47	13	170	4,300	240		GAC Changeout
02/27/02	2661	14:17	46	14	185	3,900	1.5	0.0	
03/06/02	2828	13:40	. 110	17	.195	>9,999	45	0.2	GAC Changeout
03/13/02	2995	16:20	56	14	163	4,550			
03/20/02	3155	8:30	NR	19.5	183	3,700	2	0.2	
03/29/02	3371	8:15	. 60	13	166	2,864	57	0.2	System shut-down and removal
						Pilot system removed		and the second s	
05/15/02	. 5 ·	16:50	985	96.	995	375 *	0.1 *	0.7 *	
05/16/02	31	17:45	1040	91	1060	·····. 320 * · · · · · · · · · · · · · · · · · ·	14.2 *		
05/17/02	55	17:20	915	69	985	310 *	0.0 *	0.1 *	
05/18/02	76	14:40	840	90	870	845	45.0	0.0	Primary vessel switched
05/19/02	97	11:40	875	88	905	780	18.0	10.0	
05/20/02	119	10:00	900	88	905	725	14.0	12.0	
05/21/02	143	14:50	935	72	975	160	34.0	7.5	GAC Changeout
05/22/02	169	17:10	925	77	950	330	9.8	7.0	
05/23/02	190	14:35	925	. 62	815	355	9.8	9.0	
05/24/02	208	8:41	403	61	400	1,250	13.0	12.0	
05/25/02	236	12:40	383	60	377	850	10.5	9.0	
05/05/00	259	11:20	392	61	364	1,000	13.0	11.8	
05/26/02		Contra a Capación de la	402	60	368	1,000	25.0	12.0	GAC Changeout
05/27/02	283	11:24	402						
	283 286	17:30	830	95	795	245 *	0.0 *	*	
05/27/02					795 760	245 *	0.0 * 60.0		Primary vessel switched

Notes

ppmv = parts per million by volume

NR = Not Recorded

> Greater than

⁽¹⁾ Direct flow readings taken by hand-held TSI Veloci-calc Plus or orifice plate:

⁽²⁾ Measurements taken with a Foxboro OVA-108 PID calibrated to 100 ppmv Hexane.

^{*} PID Adjusted to FID equivalents as Hexane by multiplying PID Reading by 0.35 (Hexane Equiv = PID Reading x PID CF X FID RF) sofm = standard cubic feet per minute

Site Name: Location:

System:

BRC Former C-6 Facility Torrance, California Building 1/36 SVE system

WELL ID	DATE	TIME	FLOW RATE	VACUUM	WELLHEAD PID	COMMENTS
			(scfm)	(inches H2O)	(ppmv)	
1 3/1333/ 1	2/6/2002	12:40	NT A	0.0	NT A	Wall Clared
1-VEW-1	3/6/2002 3/29/2002	13:40 8:15	NA NA	0.0	NA NA	Well Closed
				0.5 9		
	5/23/2002	11:21	4.41 18.9	40	115 125	Well Opened
	5/23/2002 5/23/2002	12:38 14:19	37.6	96	155	,,
	6/3/2002	10:00	39	96 90	51	"
	0/3/2002	10:00	39	90	31	
1-VEW-2	3/6/2002	13:40	NA	0.5	NA	Well Closed
1-11211-2	3/29/2002	8:15	NA	1	NA	"
	5/23/2002	11:24	5.45	9	49	Well Opened
	5/23/2002	12:35	21.2	35.5	51	"
	5/23/2002	14:23	47.2	96	58	•
	6/3/2002	10:00	45	90 90	30	•
	0/3/2002	10.00	45	90		
1-VEW-3	3/6/2002	13:40	NA	0.1	NA	Well Closed
	3/29/2002	8:15	NA	0.6	NA	"
	5/23/2002	11:17	3.37	8.5	32	Well Opened
	5/23/2002	12:43	15.6	42	87	,,
	5/23/2002	14:13	30.2	96	82	"
	6/3/2002	10:00	24	69	40	#
1-VEW-4	3/6/2002	13:40	NA	1.4	NA	Well Closed
	3/29/2002	8:15	NA	1.4	NA	
	5/23/2002	10:45	2.61	13	8	Well Opened
	5/23/2002	NA	7.05	34.5	360	
	5/23/2002	14:08	18.1	96	230	**
	6/3/2002	10:00	9	51	120	"
1-VEW-5	3/6/2002	13:40	NA	1.4	NA	Well Closed
1-11511-2	3/29/2002	8:15	NA NA	1.5	NA NA	wen closed
	5/21/2002	11:38	6.9	1.3	59	Well Opened
	5/21/2002	13:02	15.6	19	16	wen Opened
	5/21/2002	12:45	32.1	34	29	•
	6/3/2002	10:00	NA	10	NA	Well Closed
	0/3/2002	10.00	IVA	10	IVA	Well Closed
1-VEW-6	3/6/2002	13:40	NA	2.2	NA	Well Closed
	3/29/2002	8:15	NA	1.6	NA	"
	5/21/2002	11:25	6.3	8	52	Well Opened
	5/21/2002	13:05	16.5	15	16	"
	5/21/2002	12:50	33.3	30	30	**
	6/3/2002	10:00	NA	7	NA	Well Closed

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 1/36 SVE system

g 1/	/36 SVE	system				
TE	Е	TIME	FLOW RATE	VACUUM	WELLHEAD PID	COMMENTS
			(scfm)	(inches H2O)	(ppmv)	
200	02	13:40	NA	1.9	NA	Well Closed
20	002	8:15	NA	0.1	NA	"
	002	10:38	9.85	13	44	Well Opened
	002	11:37	42.1	41	85	"
	002	13:58	92	95	120	"
200	02	10:00	88	88	30	"
200	വാ	13:40	NA	0.5	NA	Well Closed
	002	8:15	NA	0.6	NA	"
	002	11:25	10.75	11.5	175	Well Opened
	002	14:23	63	41.5	150	"
20	002	15:32	112	82	142	"
200	02	10:00	33	22	40	"
200	02	13:40	NA	0.3	NA	Well Closed
	002	8:15	NA NA	0.6	NA NA	wen Closed
	002	NA	3.7	14	565	Well Opened
	002	NA	6.05	43	650	"
	002	NA	11.3	72	510	"
200		10:00	10	90	60	"
200	02	12.40	NT A	NT A	NIA	Wall Class I
200	02	13:40 8:15	NA NA	NA NA	NA NA	Well Closed
	002	10:30	4.33	13	63	"
	002	13:05	4.33 27.7	45	410	Well Opened
	002	13:56	46.4	95	305	wen opened
200		10:00	49	88	120	"
200	02	12.40	NT A	NIA	NIA	Wall Classed
200	02 002	13:40 8:15	NA NA	NA NA	NA NA	Well Closed
	002	NA	2.7	26	270	Well Opened
	002	NA	11	54	195	wen Opened
	002	NA	19.8	18	35	•
200		10:00	19	65	16	"
200	02	12.40	NT 4	N T •	NI ·	W-II Cl
200		13:40	NA NA	NA NA	NA NA	Well Closed
	002 002	8:15 13:05	NA 2.74	NA 20	NA 290	Wall Opened
	002	15:45	12.7	25 25	750	Well Opened
	002	16:53	21	78	600	
200		10:00	29	60	290	
200	n2	13:40	NA	4.7	NA	Well Closed
	002	8:15	NA NA	2.8	NA NA	wen closed
	002	18:08	5.3	40	400	Well Opened
	002	19:22	5.6	>100	400	" of opened
	002			52	420	**
200		10:00	22	90	44	Well Closed
20	002	18:57	20.1		52	52 420

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 1/36 SVE system

System:	Building 1/36 SVE system										
WELL ID	DATE	TIME	FLOW RATE	VACUUM	WELLHEAD PID	COMMENTS					
			(scfm)	(inches H2O)	(ppmv)						
1-VEW-11B	3/6/2002	13:40	NA	5.0	NA	Well Closed					
	3/29/2002	8:15	NA	3.0	NA	"					
	5/18/2002	9:40	2.16	23.5	270	Well Opened					
	5/18/2002	11:50	7.7	38	340	"					
	5/18/2002	13:35	15.5	60	280	**					
	6/3/2002	10:00	29	50	75	"					
1-VEW-12	3/6/2002	13:40	NA	3.5	NA	Well Closed					
	3/29/2002	8:15	NA	2.2	NA	"					
	5/21/2002	11:45	6.2	18.5	80	Well Opened					
	5/21/2002	13:44	17.3	43	65	"					
	5/21/2002	12:40	32.3	90	63	"					
	6/3/2002	10:00	17	55	14	Well Closed					
1-VEW-13A	3/6/2002	13:40	NA	3.0	NA	Well Closed					
1-1211-1011	3/29/2002	8:15	NA	2.0	NA	"					
	5/15/2002	18:23	5.4	20	84	Well Opened					
	5/15/2002	19:05	11.2	56	95	"					
	5/15/2002	19:29	28.1	>100	120	"					
	6/3/2002	10:00	59	87	14	H					
1-VEW-13B	3/6/2002	13:40	NA	2.9	NA	Well Closed					
1-1211-100	3/29/2002	8:15	NA	2.2	NA	"					
	5/18/2002	NA	1.84	18.5	63	Well Opened					
	5/18/2002	NA	8.3	33	220	"					
	5/18/2002	NA	18.6	60.5	200	•					
	6/3/2002	10:00	26	45	60	u .					
1-VEW-14A	3/6/2002	13:40	NA	0.4	NA	Well Closed					
1-1E11-14A	3/29/2002	8:15	NA	0.4	NA NA	"					
	5/15/2002	18:48	5.3	24	27	Well Opened					
	5/15/2002	19:11	15	30	27	"					
	5/15/2002	19:37	27	>100	40	**					
	6/3/2002	10:00	22	64	14	Well Closed					
1-VEW-14B	3/6/2002	13:40	NA	1.8	NA	Well Closed					
7- 4 TO 44-14D	3/29/2002	8:15	NA NA	1.8	NA NA	" Clood					
	5/18/2002	NA	7.1	15.5	65	Well Opened					
	5/18/2002	NA	34.2	33.5	95	"					
	5/18/2002	NA	65	61	85	"					
	6/3/2002	10:00	38	40	35						
1-VEW-15A	3/6/2002	13:40	NA	0.0	NA	Well Closed					
	3/29/2002	8:15	NA	0.0	NA	"					
	5/22/2002	12:14	16.4	6.5	13.5	Well Opened					
	5/22/2002	13:51	74	35	23	"					
	5/22/2002	16:00	138	80	19.5	"					
	6/3/2002	10:00	84	61	NA	Well Closed					
				·-							

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 1/36 SVE system

WELL ID 1-VEW-15B 1-VEW-16A	3/6/2002 3/29/2002 5/17/2002 5/17/2002 5/17/2002 6/3/2002 3/6/2002 3/29/2002 5/22/2002 5/22/2002	13:40 8:15 NA NA 10:00	FLOW RATE (scfm) NA NA 12 60.5 117 74	VACUUM (inches H2O) 0.0 0.0 4 27 72 34	WELLHEAD PID (ppmv) NA NA 12 45 40 NA	Well Closed "Well Opened ""
	3/29/2002 5/17/2002 5/17/2002 5/17/2002 6/3/2002 3/6/2002 3/29/2002 5/22/2002	8:15 NA NA NA 10:00	NA NA 12 60.5 117 74	0.0 0.0 4 27 72	NA NA 12 45 40	Well Opened
	3/29/2002 5/17/2002 5/17/2002 5/17/2002 6/3/2002 3/6/2002 3/29/2002 5/22/2002	8:15 NA NA NA 10:00	NA 12 60.5 117 74	0.0 4 27 72	NA 12 45 40	Well Opened
	3/29/2002 5/17/2002 5/17/2002 5/17/2002 6/3/2002 3/6/2002 3/29/2002 5/22/2002	8:15 NA NA NA 10:00	NA 12 60.5 117 74	0.0 4 27 72	NA 12 45 40	Well Opened
1-VEW-16A	5/17/2002 5/17/2002 5/17/2002 6/3/2002 3/6/2002 3/29/2002 5/22/2002	NA NA NA 10:00	12 60.5 117 74	4 27 72	12 45 40	"
1-VEW-16A	5/17/2002 5/17/2002 6/3/2002 3/6/2002 3/29/2002 5/22/2002	NA NA 10:00	60.5 117 74	27 72	45 40	"
1-VEW-16A	5/17/2002 6/3/2002 3/6/2002 3/29/2002 5/22/2002	NA 10:00	117 74	72	40	
1-VEW-16A	3/6/2002 3/29/2002 5/22/2002	10:00	74	34	NA	"
1-VEW-16A	3/29/2002 5/22/2002		374		1111	Well Closed
1-124-101	3/29/2002 5/22/2002		NA	0.0	NA	Well Closed
	5/22/2002		NA	0.2	NA	"
		11:43	3.72	11	85	Well Opened
	5/7/12002	14:17	23.9	72	68	"
	5/22/2002	15:41	25.1	82	75	"
	6/3/2002	10:00	18	70	17	"
1-VEW-16B	3/6/2002	13:40	NA	0.0	NA	Well Closed
	3/29/2002	8:15	NA	0.5	NA	"
	5/17/2002	NA	3.6	11	510	Well Opened
	5/17/2002	NA	16.1	25	650	**
	5/17/2002	NA	39.3	74	610	"
	6/3/2002	10:00	22	65	80	"
1-VEW-17A	3/6/2002	13:40	NA	0.0	NA	Well Closed
	3/29/2002	8:15	NA	0.1	NA	"
	5/22/2002	12:00	6.55	7	24	Well Opened
	5/22/2002	13:57	29.2	35	9.5	"
	5/22/2002	15:54	58.5	80	5.6	"
	6/3/2002	10:00	NA	NA	NA	Well Closed
4 MEM 450	2/6/2002	12.40	27.4	0.0	27.4	W. II. Cl I
1-VEW-17B	3/6/2002	13:40 8:15	NA	0.0	NA NA	Well Closed
	3/29/2002		NA 4.5	0.2	NA	
	5/17/2002	NA	4.5	6	110	Well Opened
	5/17/2002	NA	24.2	36	110	
	5/17/2002 6/3/2002	NA 10:00	41.5 40	72 58	110 6	"
1-VEW-18A	3/6/2002	13:40	NA	0.0	NA	Well Closed
	3/29/2002	8:15	NA	0.3	NA	"
	5/22/2002	12:18	2.8	33.5	12.2	Well Opened
	5/22/2002	13:45	9.25	72	10.5	**
	5/22/2002	16:08	19.4	80	9.5	"
	6/3/2002	10:00	NA	NA	NA	Well Closed
1-VEW-18B	3/6/2002	13:40	NA	0.2	NA	Well Closed
	3/29/2002	8:15	NA	0.4	NA	"
	5/17/2002	NA	3	2	7.9	Well Opened
	5/17/2002	NA	12.75	16	7.3	"
	5/17/2002	NA	32.5	72	85	•
	6/3/2002	10:00	32.3	86	22	**

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 1/36 SVE system

System:	Building 1/36 SV	√E system				
WELL ID	DATE	TIME	FLOW RATE	VACUUM	WELLHEAD PID	COMMENTS
			(scfm)	(inches H2O)	(ppmv)	
1-VEW-19A	3/6/2002	13:40	NA	0.0	NA	Well Closed
	3/29/2002	8:15	NA	0.0	NA	"
	5/22/2002	11:49	6.55	9.5	25.1	Well Opened
	5/22/2002	14:12	35.2	40	13	"
	5/22/2002	15:48	64.5	82	11.7	•
	6/3/2002	10:00	NA	15	NA	Well Closed
1-VEW-19B	3/6/2002	13:40	NA	0.6	NA	Well Closed
	3/29/2002	8:15	NA	0.6	NA	•
	5/17/2002	NA	3.5	14	59	Well Opened
	5/17/2002	NA	15.8	34	65	*
	5/17/2002	NA	43.1	74	60	"
	6/3/2002	10:00	16	87	5	*
1-VEW-20A	3/6/2002	13:40	NA	1.3	NA	Well Closed
1 1211 2011	3/29/2002	8:15	NA	0.9	NA	"
	5/22/2002	12:23	2.87	9	11	Well Opened
	5/22/2002	13:39	14.1	31.5	11.8	wen opened
	5/22/2002	16:12	33.1	80	4.2	•
	6/3/2002	10:12	NA	10	NA	Well Closed
	0/3/2002	10.00	NA .		NA	well closed
1-VEW-20B	3/6/2002	13:40	NA	1.4	NA	Well Closed
	3/29/2002	8:15	NA	1.0	NA	"
	5/17/2002	10:30	2.32	14	100	Well Opened
	5/17/2002	NA	10.7	22	170	"
	5/17/2002	NA	32.6	72	105	"
	6/3/2002	10:00	33	61	18	ч
1 3/1533/ 21 4	216 12002	12:40	XI A	NIA	NT A	Wall Class I
1-VEW-21A	3/6/2002	13:40	NA	NA	NA	Well Closed
	3/29/2002	8:15	NA	NA	NA 2040	
	5/16/2002	NA	3.57	39	3040	Well Opened
	5/16/2002	NA	5.4	48	3200	•
	5/16/2002	NA	37.7	96	2900	"
	6/3/2002	10:00	28	55	NA	·
1-VEW-21B	3/6/2002	13:40	NA	NA	NA	Well Closed
	3/29/2002	8:15	NA	NA	NA	"
	5/20/2002	13:22	1.74	15	700	Well Opened
	5/20/2002	15:28	4.5	45	1030	"
	5/20/2002	17:24	36.3	79	1725	"
	5/21/2002	9:55	48.3	92	1200	**
						"
	6/3/2002	10:00	47	90	NA	"

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 1/36 SVE system

System:	Building 1/36 SV	VE system				
WELL ID	DATE	TIME	FLOW RATE	VACUUM	WELLHEAD PID	COMMENTS
			(scfm)	(inches H2O)	(ppmv)	
1-VEW-22A	3/6/2002	13:40	NA	5.0	NA	Well Closed
	3/29/2002	8:15	NA	3.1	NA	"
	5/16/2002	NA	3.1	28	2200	Well Opened
	5/16/2002	NA	10.6	52	2400	#
	5/16/2002	NA	18.05	92	1600	"
	6/3/2002	10:00	18	74	80	"
1-VEW-22B	3/6/2002	13:40	NA	5.1	NA	Well Closed
	3/29/2002	8:15	NA	3.1	NA	"
	5/20/2002	13:30	4.12	16	37	Well Opened
	5/20/2002	15:20	21.1	40	72	"
	5/20/2002	17:35	37	77	179	**
	5/21/2002	10:07	43.6	91	230	**
	6/3/2002	10:00	51	88	20	0
1-VEW-23A	3/6/2002	13:40	NA	NA	NA	Well Closed
1 (12), 2011	3/29/2002	8:15	NA	NA	NA	"
	5/16/2002	NA	3.25	20	130	Well Opened
	5/16/2002	NA	12.5	49	45	"
	5/16/2002	NA	21.4	20	35	#
	6/3/2002	10:00	14	40	11	Well Closed
1-VEW-23B	3/6/2002	13:40	NA	NA	NA	Well Closed
1 1 E 11 E E	3/29/2002	8:15	NA	NA	NA	"
	5/20/2002	13:16	2.67	15	46	Well Opened
	5/20/2002	15:38	10	23	1700	"
	5/20/2002	17:08	19.5	79	9000	**
	5/21/2002	9:48	46.3	94	8000	"
	6/3/2002	10:00	37	90	600	**

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 1/36 SVE system

System:	Building 1/36 SV	/E system				
WELL ID	DATE	TIME	FLOW RATE	VACUUM	WELLHEAD PID	COMMENTS
			(scfm)	(inches H2O)	(ppmv)	
1-VEW-24A	1/18/2002	10:40	NA	88	> 9,999 *	Well opened
	1/24/2002	11:00	NA	75	> 9,999 *	"
	1/31/2002	13:45	33	23	> 9,999	"
	2/7/2002	16:50	31	26	> 9,999	#
	2/15/2002	17:51	NA	NA	> 9,999 *	· ·
	2/21/2002	17:44	46.5	30	> 9,999	"
	2/27/2002	14:17	32	30	> 9,999	#
	3/6/2002	13:40	94	64	> 9,999	"
	3/13/2002	16:20	45	30	> 9,999	#
	3/20/2002	8:30	42	32	> 9,999	"
	3/29/2002	8:15	9	28	4,000	"
	5/16/2002	NA	8.85	24	450	"
	5/16/2002	NA	33.7	42	550	"
	5/16/2002	NA	77.5	90	520	"
	6/3/2002	10:00	43	56	55	"
	12/12/2001	15.00	10	£ 1	> 0.000 *	Wellerand
	12/13/2001	15:00	10	54	> 9,999 *	Well opened
1 X/EXX/ 24D	12/20/2001	14:15	5	47	> 800 *	
1-VEW-24B	1/3/2002	13:15	32	48	> 320 *	"
	1/10/2002	14:00	30	48	> 700 *	"
	1/18/2002	8:25	25	90	> 760 *	,,
	1/18/2002	10:40	NA	90	> 2,500 *	"
	1/24/2002 1/31/2002	11:00	93	90	> 9,999 *	"
		13:45	9 9	23	> 9,999	,,
	2/7/2002 2/15/2002	16:50 17:51	NA	26 NA	> 9,999 > 9,999 *	**
	2/13/2002	17:31 17:44		30	> 9,999	,,
	2/21/2002	14:17	11 8	31	> 9,999 > 9,999	"
	3/6/2002	13:40	13	64	> 9,999 > 9,999	"
	3/13/2002	16:20	10.5	30	> 9,999 > 9,999	"
	3/20/2002	8:30	5.8	32	> 9,999	"
	3/29/2002	8:30 8:15	38	28	> 9,999 > 9,999	"
	5/20/2002	13:43	1.08	26 15	2 9,999 42	"
	5/20/2002	15:10	4.4	41	490	"
	5/20/2002	17:45	28.4	77	1010	"
	5/21/2002	10:16	41.4	91	635	"
	6/3/2002	10:00	30	70	100	н
4 1/17/17/ 25:	016.7.2.2	40.00				W N Cl
1-VEW-25A	3/6/2002	13:40	NA	5.5	NA	Well Closed
	3/29/2002	8:15	NA	3.7	NA	
	5/16/2002	NA	2.68	23	125	Well Opened
	5/16/2002	NA	13.5	44	135	"
	5/16/2002	NA	28	90	120	 *
	6/3/2002	10:00	25	46	45	
1-VEW-25B	3/6/2002	13:40	NA	5.9	NA	Well Closed
	3/29/2002	8:15	NA	3.5	NA	"
	5/18/2002	10:17	1.36	23	280	Well Opened
	5/18/2002	12:30	3.75	35.5	370	"
	5/18/2002	14:23	7.65	61	310	"
	6/3/2002	10:00	19	45	185	

Site Name: BRC Former C-6 Facility Torrance, California Location: Building 1/36 SVE system System:

WELL ID	DATE	TIME	FLOW RATE	VACUUM	WELLHEAD PID	COMMENTS
			(scfm)	(inches H2O)	(ppmv)	
1-VEW-26A	3/6/2002	13:40	NA	3.7	NA	Well Closed
	3/29/2002	8:15	NA	2.7	NA	**
	5/16/2002	10:50	5.45	37	95	Well Opened
	5/16/2002	NA	24.5	90	190	#Î
	5/16/2002	NA	33.5	>100	95	**
	6/3/2002	10:00	55	85	105	"
1-VEW-26B	3/6/2002	13:40	NA	3.8	NA	Well Closed
	3/29/2002	8:15	NA	2.8	NA	"
	5/18/2002	NA	5.15	19.5	260	Well Opened
	5/18/2002	NA	23	35	280	"
	5/18/2002	NA	43.6	61	240	"
	6/3/2002	10:00	24	36	60	u u

Notes:

ppmv: parts per million by volume

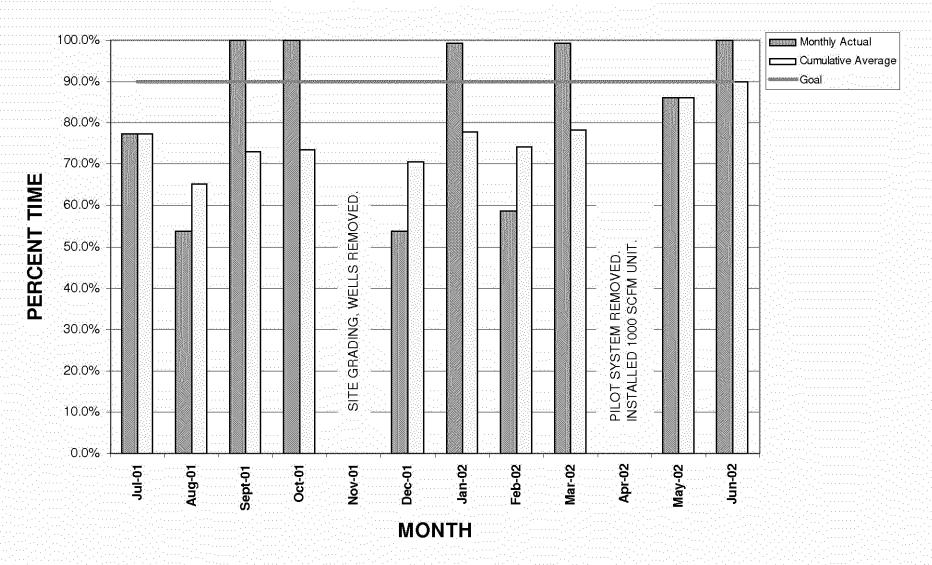
scfm: standard cubic foot per minute (acfm corrected for vacuum and temperature)

NA: data was not recorded or available

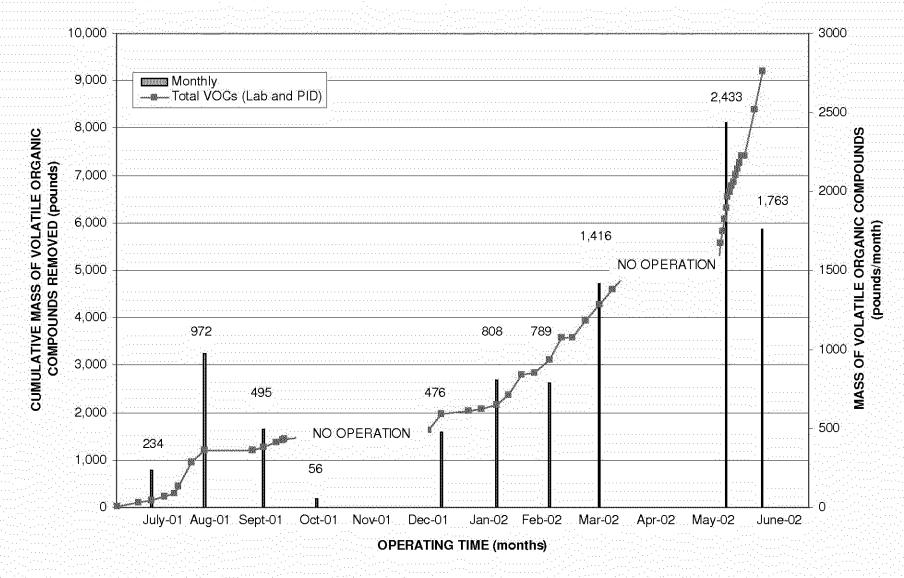
^{*} Well head readings not taken. Estimates based on diluted inlet concentrations

Direct flow readings taken by hand-held TSI Veloci-calc Plus
 Measurements taken with a Foxboro OVA FID calibrated to 100 ppmv Hexane, results as Hexane

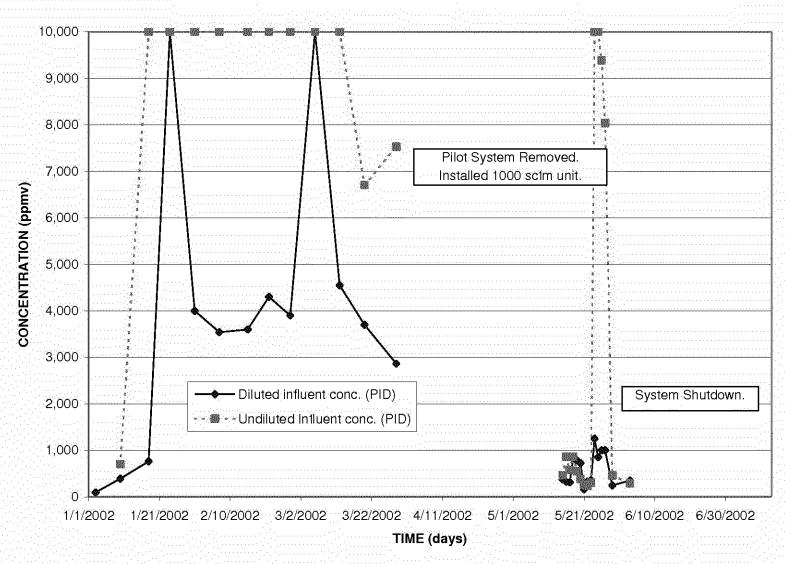
GRAPH 1
BUILDING 1/36 MONTHLY PERCENT OPERATION



GRAPH 2
BUILDING 1/36 CUMULATIVE VOLATILE ORGANIC COMPOUND MASS REMOVED



GRAPH 3
BUILDING 1/36 SVE SYSTEM TOTAL VOC INFLUENT CONCENTRATIONS



ATTACHMENT 2

BUILDING 2 SVE OPERATIONAL DATA

TABLE 4 - BUILDING 2 SVE SYSTEM INFLUENT LABORATORY DATA

Site Name:BRC Former C-6 FacilityLocation:Torrance, CaliforniaSystem:Building 2 SVE system

	SAMPLE DATE	1/3/2002	2/6/2002	3/6/2002	4/4/2002	5/3/2002	6/4/2002	7/3/2002
COMPOUND	SAMPLE TYPE	Diluted Inlet	Diluted Inlet	Diluted Inlet	Inlet	Inlet	Inlet	Inlet
COM COND	LAB ID	DILUTED_INLET_ BLDG_2_01/03/02	DILUTED_INLET_ BLDG_2_02/06/02	DILUTED_INLET_ BLDG_2_03/06/02	GAC0002D_AV0404 02_001	GAC0002D_AV0503 02_002	GAC0002D_AV0604 02_003	GAC0002D_AV0703 02_004
1,1 Dichloroethene (ppbv)		660	2,800	1,500	1,700	1,600	1,300	1,100
cis-1,2-Dichloroethene (ppbv)		ND	210	120	120	63	38	29
1,1-Dichlrorethane (ppbv)		ND	220	86	96	57	38	28
1,1,1 Trichloroethane (ppbv)		280	800	370	310	150	560	82
Trichloroethene (ppbv)		7,500	31,000	26,000	19,000	13,000	6,100	3,800
Tetrachloroethene (ppbv)		84	210	100	180	190	110	80
Trichlorofluoromethane (ppbv)		19	ND	ND	45	44	23	30
Chloroform (ppbv)		ND	130	ND	260	360	540	640
Methylene Chloride (ppbv)		ND	ND	110	49	ND	18	12
Toluene (ppbv)		ND	ND	ND	ND	ND	520	11
Xylene (ppbv)		ND	ND	ND	ND	ND	18	ND

Notes:

ppbv = parts per billion by volume ND = Below method detction limits

Site Name: Location: System: BRC Former C-6 Facility Torrance, California Building 2 SVE system

DATE	HOUR METER	TIME	UNDILUTED FLOW RATE (1)	DILUTED INLET FLOW RATE (1)	VACUUM	DILUTED INFLUENT PID (2)	MID POINT CARBON PID (2)	EFFLUENT CARBON PID (2)	COMMENTS
			(scfm)	(scfm)	(inches of H2O)	(ppmv)	(ppmv)	(ppmv)	
1/3/2002	785	15:00	575	795	29	32	0.0	0.0	
01/10/02	953	15:00	# 150	765	25	195	51.0	0.0	GAC Changeout
01/18/02	983	18:00	350	720	53	342	0.3	0.1	
01/24/02	1124	15:10	360	735	52	380	40.2	0.0	
01/31/02	1220	15:48	400	765	38	960	NR	0.0	Data after GAC Changeout
02/01/02	1238	10:00	400	760	27	450	0.0	0.0	
02/06/02	1360	13:00	390	760	20	365	87.0	0.2	GAC Changeout
02/08/02	1385	9:20	# 190	740	45	105	43.0	0.0	
02/15/02	1553	11:00	400	730	27	270	10.7	0.0	
02/21/02	1693	8:07	400	705	41	437	71.0	0.0	GAC Changeout
02/27/02	1838	10:30	380	590	68	465	37.0	0.0	
03/06/02	2004	9:00	378	600	68	310	53.2	0.2	GAC Changeout
03/13/02	2173	14:35	375	590	67	259	28.0	0.0	_
03/20/02	2334	10:45	400	655	67	220	10.3	0.2	GAC Changeout
03/29/02	2549	10:00	385	605	61	168	16.0	0.1	
04/01/02	2627	16:50	640	630	59	261	47.4	7.5	
04/02/02	2646	11:40	660	680	61	256	59.0	12.7	GAC Changeout
04/04/02	2650	17:00	675	710	54	264	0.0	0.3	_
04/05/02	2668	11:25	670	685	61	256	0.8	0.0	
04/06/02	2692	11:57	630	625	57	233	0.2	0.1	
04/07/02	2714	10:56	685	670	61	212	0.3	0.1	
04/08/02	2740	12:47	660	660	61	232	0.6	0.0	
04/09/02	2759	8:45	650	635	65	252	0.3	0.1	
04/10/02	2789	14:30	650	645	57	224	3.9	0.2	
04/11/02	2817	19:35	715	740	41	129	39.0	0.2	
04/12/02	2839	18:37	710	710	57	337	6.1	0.4	
04/17/02	2904	15:20	695	690	57	153	* 4.8	* 3.8	
04/23/02	3049	15:51	665	665	61	184	* 9.4	* 2.8	
05/03/02	3240	12:48	630	665	54	164	* 2.6	* 1.3	GAC Changeout
05/09/02	3391	19:10	645	640	54	158	#* 23.0	* 0.8	
05/16/02	3549	8:43	675	660	61	145	* 20.0	* 2.8	GAC Changeout
05/23/02	3722	16:20	650	620	57	15.4	* 14.0	* 9.9	
05/30/02	3887	14:00	645	610	57	19.1	* 14.0	* 13.0	
06/04/02	4005	12:00	630	620	57	* 14.0	* 19.0	* 7.0	
06/13/02	4215	8:35	655	645	58	* 18.2	* 8.4	* 2.0	GAC Changeout
06/20/02	4384	10:17	650	640	57	* 10.0	* 7.0	* 1.0	-
06/27/02	4554	12:34	635	625	57	* 12.8	* 9.2	* 6.5	

Notes:

⁽¹⁾ Direct flow readings taken by hand-held TSI Veloci-calc Plus

⁽²⁾ Measurements taken with a MiniRae 2000 PID calibrated to 100 ppmv Hexane, results as Hexane unless otherwise noted

[#] Readings reading not considered representative of actual concentrations due to mositure or vacuum interference

st Measurements taken with Foxboro OVA-128 calibrated to Hexane. Results as Hexane.

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	FID (ppmv)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-1A	11/27/2001	13:00	39	20		1,200	Well Closed 11/28/01-1/2/
	1/3/2002	15:00	NA	22		140	Well Opened
	1/10/2002	15:00	NA	1.3		NA	,,
	1/18/2002	18:00	39	48		340	,,
	1/24/2002	15:10		1.7		NA	,,
	1/31/2002	15:48	30	31		200	,,
	2/1/2002	10:00	22	23		96	,,
	2/6/2002	13:00	16	16		180	,,
	2/15/2002	11:00	20	19		98	Well Closed
	3/20/2002	14:00	NA.	45		12	"
	3/29/2002	14:20	3.2	9.5		NA	,,
	3/30/2002	10:58	1	11		NA	,,
	3/31/2002	10:31	0.5	11		NA	,,
	4/1/2002	16:50	NA	11		NA	,,
	4/2/2002	11:40	NA	11		NA	,,
	4/4/2002	17:00	NA	8.4		NA	,,
	4/5/2002	11:30	NA	10.5		NA	"
	4/6/2002	12:00	NA	10		NA	,,
	4/7/2002	11:00	NA	11		NA	,,
	4/8/2002	12:45	NA	10		NA	**
	4/9/2002	8:45	NA NA	13		NA	
	4/10/2002	14:30	NA	12		NA	"
	4/11/2002	19:35	NA	NA		NA	
	4/12/2002	18:37	NA	8		NA	
	4/17/2002	15:20	NA	4.5		NA	
	4/23/2002	15:51	NA	10		NA	,,
	5/3/2002	12:48	NA	5		NA	,,
	5/9/2002	19:10	NA	11		NA	
	5/23/2002	16:20	NA	10.5		NA	
	6/13/2002	8:35	NA	11		NA	
	6/20/2002	10:17	NA	11		NA	
	6/27/2002	12:34	NA	10		NA	
	7/3/2002	11:00	NA	10		NA	,,
2-VEW-1B	11/27/2001	13:00	11	17		9,999	Well Closed 11/28/01-1/2
	1/3/2002	15:00	NA	29		2,800	Well Opened
							" opened
		15:00	NA				
	1/10/2002	15:00 18:00	NA NA	1.6 2.9		NA NA	Well Closed
	1/10/2002 1/18/2002	18:00	NA	2.9		NA	Well Closed
	1/10/2002 1/18/2002 1/24/2002	18:00 15:10	NA 17	2.9 48		NA 9,999	Well Closed
	1/10/2002 1/18/2002 1/24/2002 1/31/2002	18:00 15:10 15:48	NA 17 8	2.9 48 31		NA 9,999 9,999	
	1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002	18:00 15:10 15:48 10:00	NA 17 8 10	2.9 48 31 23		NA 9,999 9,999 6,500	n n
	1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/6/2002	18:00 15:10 15:48 10:00 13:00	NA 17 8 10 5.3	2.9 48 31 23 16		NA 9,999 9,999 6,500 6,800	n n
	1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/6/2002 2/15/2002	18:00 15:10 15:48 10:00 13:00 11:00	NA 17 8 10 5.3 5.5	2.9 48 31 23 16 19		NA 9,999 9,999 6,500 6,800 3,980	
	1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/6/2002 2/15/2002 2/27/2002	18:00 15:10 15:48 10:00 13:00 11:00 10:30	NA 17 8 10 5.3 5.5	2.9 48 31 23 16 19 52		NA 9,999 9,999 6,500 6,800 3,980 4,230	" " " " "
	1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/6/2002 2/15/2002	18:00 15:10 15:48 10:00 13:00 11:00 10:30 9:00	NA 17 8 10 5.3 5.5	2.9 48 31 23 16 19 52 48		NA 9,999 9,999 6,500 6,800 3,980 4,230 2,790	
	1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/15/2002 2/15/2002 2/27/2002 3/6/2002 3/13/2002	18:00 15:10 15:48 10:00 13:00 11:00 10:30 9:00 14:35	NA 17 8 10 5.3 5.5 14.2 8.5	2.9 48 31 23 16 19 52		NA 9,999 9,999 6,500 6,800 3,980 4,230 2,790 4,240	0 0 0 0
	1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/15/2002 2/27/2002 3/6/2002 3/13/2002 3/20/2002	18:00 15:10 15:48 10:00 13:00 11:00 10:30 9:00	NA 17 8 10 5.3 5.5 14.2 8.5	2.9 48 31 23 16 19 52 48 50		NA 9,999 9,999 6,500 6,800 3,980 4,230 2,790	
	1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/15/2002 2/15/2002 2/27/2002 3/6/2002 3/13/2002	18:00 15:10 15:48 10:00 13:00 11:00 10:30 9:00 14:35 10:45	NA 17 8 10 5.3 5.5 14.2 8.5 9	2.9 48 31 23 16 19 52 48 50		NA 9,999 9,999 6,500 6,800 3,980 4,230 2,790 4,240 1,300	
	1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/15/2002 2/27/2002 2/27/2002 3/6/2002 3/20/2002 3/29/2002 3/29/2002	18:00 15:10 15:48 10:00 13:00 11:00 10:30 9:00 14:35 10:45 10:00 14:20	NA 17 8 10 5.3 5.5 14.2 8.5 9 12	2.9 48 31 23 16 19 52 48 50 50 54 46		NA 9,999 9,999 6,500 6,800 3,980 4,230 2,790 4,240 1,300 1,800	Well Opened
	1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/15/2002 2/15/2002 3/6/2002 3/13/2002 3/20/2002 3/29/2002 3/30/2002	18:00 15:10 15:48 10:00 13:00 11:00 10:30 9:00 14:35 10:45 10:00 14:20 10:58	NA 17 8 10 5.3 5.5 14.2 8.5 9 12 10.1 18.1	2.9 48 31 23 16 19 52 48 50 50		NA 9,999 9,999 6,500 6,800 3,980 4,230 2,790 4,240 1,300 1,800 1,355 1,478	
	1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/15/2002 2/27/2002 2/27/2002 3/6/2002 3/20/2002 3/29/2002 3/29/2002	18:00 15:10 15:48 10:00 13:00 11:00 10:30 9:00 14:35 10:45 10:00 14:20	NA 17 8 10 5.3 5.5 14.2 8.5 9 12 10.1	2.9 48 31 23 16 19 52 48 50 50 54 46 48		NA 9,999 9,999 6,500 6,800 3,980 4,230 2,790 4,240 1,300 1,800	Well Opened
	1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/6/2002 2/5/2002 2/27/2002 3/13/2002 3/29/2002 3/29/2002 3/31/2002 3/31/2002	18:00 15:10 15:48 10:00 13:00 11:00 10:30 9:00 14:35 10:45 10:00 14:20 10:58 10:31	NA 17 8 10 5.3 5.5 14.2 8.5 9 12 10.1 18.1 9	2.9 48 31 23 16 19 52 48 50 50 54 46 48 48		NA 9,999 9,999 6,500 6,800 3,980 4,220 2,790 4,240 1,300 1,800 1,350 1,478 1,744	
	1/10/2002 1/18/2002 1/31/2002 1/31/2002 2/1/2002 2/15/2002 2/27/2002 3/6/2002 3/29/2002 3/29/2002 3/30/2002 3/30/2002 3/31/2002 3/31/2002 3/31/2002	18:00 15:10 15:48 10:00 13:00 11:00 10:30 9:00 14:35 10:45 10:00 14:20 10:58 10:31	NA 17 8 10 5.3 5.5 14.2 8.5 9 12 10.1 18.1 9 8.4 7.4	2.9 48 31 23 16 19 52 48 50 50 54 46 48 48 49		NA 9,999 9,999 6,500 6,800 3,980 4,230 2,790 4,240 1,300 1,800 1,478 1,744	Well Opened
	1/10/2002 1/18/2002 1/31/2002 1/31/2002 2/1/2002 2/15/2002 2/27/2002 3/6/2002 3/20/2002 3/29/2002 3/30/2002 3/31/2002 4/1/2002 4/1/2002 4/4/2002	18:00 15:10 15:48 10:00 13:00 10:30 9:00 14:35 10:45 10:00 14:20 10:58 10:31 16:50 11:40 17:00	NA 17 8 10 5.3 5.5 14.2 8.5 9 12 10.1 18.1 9 8.4 7.4 6.8 6.8	2.9 48 31 23 16 19 52 48 50 54 46 48 48 49 51		NA 9,999 9,999 6,500 6,800 3,980 4,230 2,790 4,240 1,300 1,800 1,350 1,478 1,744 1,475 1,535 1,555	Well Opened
	1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/1/2002 2/27/2002 2/27/2002 3/29/2002 3/29/2002 3/30/2002 3/30/2002 3/30/2002 3/31/2002 4/1/2002 4/4/2002	18:00 15:10 15:48 10:00 13:00 11:00 10:30 9:00 14:35 10:45 10:45 10:58 10:31 16:50 11:40 17:00	NA 17 8 10 5.3 5.5 14.2 8.5 9 12 10.1 18.1 9 8.4 7.4 6.8	2.9 48 31 23 16 19 52 48 50 50 54 46 48 48 49 51 47		NA 9,999 9,999 6,500 6,800 3,980 4,230 2,790 4,240 1,300 1,800 1,355 1,478 1,744 1,475 1,535 1,565 1,720	Well Opened
	1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/1/2002 2/1/2002 3/13/2002 3/29/2002 3/29/2002 3/31/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002	18:00 15:10 15:18 10:00 13:30 11:00 10:30 9:00 14:35 10:45 10:00 14:20 10:58 10:31 16:50 11:40 17:00 11:30	NA 17 8 10 5.3 5.5 14.2 8.5 9 12 10.1 18.1 9 8.4 7.4 6.8 9.4 10.8	2.9 48 31 23 16 19 52 48 50 50 54 46 48 48 49 51 47 49		NA 9,999 9,999 6,500 6,800 3,980 4,230 2,790 4,240 1,300 1,300 1,478 1,744 1,475 1,535 1,565 1,720 1,429	Well Opened
	1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/1/2002 2/27/2002 2/27/2002 3/29/2002 3/29/2002 3/30/2002 3/30/2002 3/30/2002 3/31/2002 4/1/2002 4/4/2002	18:00 15:10 15:48 10:00 13:00 11:00 10:30 9:00 14:35 10:45 10:45 10:58 10:31 16:50 11:40 17:00	NA 17 8 10 5.3 5.5 14.2 8.5 9 12 10.1 18.1 9 8.4 7.4 6.8 9,4	2.9 48 31 23 16 19 52 48 50 50 54 46 48 48 49 51 47		NA 9,999 9,999 6,500 6,800 3,980 4,230 2,790 4,240 1,300 1,800 1,350 1,478 1,744 1,475 1,535 1,565 1,720 1,429 1,474	Well Opened
	1/10/2002 1/18/2002 1/18/2002 1/31/2002 2/1/3002 2/1/2002 2/15/2002 2/15/2002 3/20/2002 3/20/2002 3/29/2002 3/29/2002 3/30/2002 3/31/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002	18:00 15:10 15:48 10:00 11:00 10:30 9:00 14:35 10:04 10:05 10:58 10:31 16:50 11:40 17:00 11:30 12:00	NA 17 8 10 5.3 5.5 14.2 8.5 9 12 10.1 18.1 9 8.4 7.4 6.8 6.8 9.4 10.8	2.9 48 31 23 16 19 52 48 50 50 54 46 48 48 49 51 47 49 50		NA 9,999 9,999 6,500 6,800 3,980 4,230 2,790 4,240 1,300 1,300 1,478 1,744 1,475 1,535 1,565 1,720 1,429	Well Opened
	1/10/2002 1/18/2002 1/18/2002 1/31/2002 1/31/2002 2/1/2002 2/15/2002 2/27/2002 3/3/2002 3/3/2002 3/29/2002 3/31/2002 3/31/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002	18:00 15:10 15:48 10:00 11:00 11:00 10:30 10:30 14:35 10:00 14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:00 11:20 11:20	NA 17 8 10 5.3 5.5 14.2 8.5 9 12 10.1 18.1 9 8.4 7.4 6.8 6.8 9.4 10.8 17 9.2	2.9 48 31 23 16 19 52 48 50 50 54 46 48 48 49 51 47 49 49 50 50		NA 9,999 9,999 6,500 6,800 3,980 4,230 2,790 4,240 1,300 1,800 1,450 1,478 1,744 1,475 1,535 1,565 1,720 1,429 1,474 1,434	Well Opened
	1/10/2002 1/18/2002 1/18/2002 1/31/2002 2/1/2002 2/1/2002 2/1/2002 3/13/2002 3/29/2002 3/29/2002 3/31/2002 3/31/2002 4/1/2002 4/4/2002	18:00 15:10 15:48 10:00 11:00 11:00 10:30 9:00 14:35 10:45 10:45 10:31 16:50 11:40 17:00 11:20 11:20 11:20 12:45 8:45	NA 17 8 10 5.3 5.5 14.2 8.5 9 12 10.1 18.1 9 8.4 7.4 6.8 6.8 9,4 10.8	2.9 48 31 23 16 19 52 48 50 50 54 46 48 48 49 51 47 49 50 50 50 51		NA 9,999 9,999 6,500 6,800 3,980 4,230 2,790 4,240 1,300 1,800 1,350 1,478 1,774 1,475 1,535 1,565 1,720 1,429 1,474 1,434 1,684 1,684	Well Opened
	1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/1/2002 2/1/2002 3/13/2002 3/29/2002 3/29/2002 3/31/2002 4/1/2002 4/4/2002 4/4/2002 4/4/2002 4/9/2002 4/9/2002 4/9/2002 4/9/2002 4/9/2002 4/9/2002 4/9/2002 4/9/2002 4/11/2002 4/11/2002 4/11/2002 4/11/2002 4/11/2002 4/11/2002 4/11/2002 4/11/2002 4/11/2002 4/11/2002	18:00 15:10 15:48 10:00 11:00 11:00 10:30 9:00 14:35 10:03 14:20 10:58 10:31 16:50 11:40 17:00 11:20 1	NA 17 8 10 5.3 5.5 14.2 8.5 9 12 10.1 18.1 9 8.4 7.4 6.8 9.4 10.8 17 9.2 6.5 6.2 NA	2.9 48 31 23 16 19 52 48 50 50 54 46 48 48 49 51 47 49 50 50 51 49 NA		NA 9,999 9,999 6,500 6,800 3,980 4,230 2,790 4,240 1,300 1,800 1,350 1,478 1,744 1,475 1,535 1,565 1,720 1,429 1,474 1,434 1,634 1,684 1,635 NA	Well Opened
	1/10/2002 1/18/2002 1/18/2002 1/31/2002 2/1/2002 2/1/2002 2/1/2002 2/1/2002 2/2/7/2002 3/13/2002 3/29/2002 3/30/2002 3/31/2002 3/31/2002 4/1/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002	18:00 15:10 15:48 10:00 13:00 11:00 10:30 9:00 14:35 10:05 10:45 10:05 11:40 17:00 11:30 12:00 11:30 12:00 12:45 8:45 14:30 13:31	NA 17 8 10 5.3 5.5 14.2 8.5 9 12 10.1 18.1 9 8.4 7.4 6.8 6.8 9,4 10.8	2.9 48 31 23 16 19 52 48 50 50 54 46 48 48 49 51 47 49 50 50 50 51 49 NA 49		NA 9,999 9,999 6,500 6,800 3,980 4,220 2,790 4,240 1,300 1,800 1,350 1,478 1,744 1,475 1,535 1,565 1,720 1,429 1,474 1,434 1,684 1,635 NA NA	Well Opened
	1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/1/2002 2/1/2002 3/13/2002 3/29/2002 3/29/2002 3/31/2002 4/1/2002 4/4/2002 4/4/2002 4/4/2002 4/9/2002 4/9/2002 4/9/2002 4/9/2002 4/9/2002 4/9/2002 4/9/2002 4/9/2002 4/11/2002 4/11/2002 4/11/2002 4/11/2002 4/11/2002 4/11/2002 4/11/2002 4/11/2002 4/11/2002 4/11/2002	18:00 15:10 15:48 10:00 11:00 11:00 10:30 9:00 14:35 10:03 14:20 10:58 10:31 16:50 11:40 17:00 11:20 1	NA 17 8 10 5.3 5.5 14.2 8.5 9 12 10.1 18.1 9 8.4 7.4 6.8 6.8 17 9.2 6.5 6.2 NA 9.4	2.9 48 31 23 16 19 52 48 50 50 54 46 48 48 49 51 47 49 50 50 51 49 NA		NA 9,999 9,999 6,500 6,800 3,980 4,230 2,790 4,240 1,300 1,800 1,350 1,478 1,744 1,475 1,535 1,565 1,720 1,429 1,474 1,434 1,634 1,684 1,635 NA	Well Opened
	1/10/2002 1/18/2002 1/18/2002 1/31/2002 2/1/3/2002 2/1/3/2002 2/1/3/2002 3/2/3/2002 3/29/2002 3/29/2002 3/3/2/2002 3/3/3/2002 4/1/2002 4/4/2002 4/4/2002 4/4/2002 4/1/2002	18:00 15:10 15:48 10:00 11:00 11:00 10:30 10:30 10:30 10:31 10:05 10:45 10:05 11:40 11:30	NA 17 8 10 5.3 5.5 14.2 8.5 9 12 10.1 18.1 9 8.4 7.4 6.8 9.4 10.8 17 9.2 6.5 6.2 NA 9.4 9 9.15	2.9 48 31 23 16 19 52 48 50 50 54 46 48 48 49 51 47 49 50 50 51 49 NA 49 43 50		NA 9,999 9,999 6,500 6,800 3,980 4,220 2,790 4,240 1,300 1,800 1,350 1,478 1,744 1,475 1,535 1,565 1,720 1,429 1,474 1,434 1,635 NA NA NA 1,439 NA	Well Opened
	1/10/2002 1/18/2002 1/18/2002 1/31/2002 1/31/2002 2/1/2002 2/1/2002 2/15/2002 2/27/2002 3/13/2002 3/29/2002 3/30/2002 3/31/2002 4/1/2002	18:00 15:10 15:48 10:00 11:00 10:30 11:00 10:30 10:30 10:43 10:00 14:35 10:05 10:45 10:31 16:50 11:40 17:00 11:20 11:30 12:20 11:45 8:45 14:30 19:35 18:37 15:20 15:51 12:248	NA 17 8 10 5.3 5.5 14.2 8.5 9 12 10.1 18.1 9 8.4 7.4 6.8 6.8 6.8 10.8 17 9.2 6.5 6.2 NA 9.4 9 9.15	2.9 48 31 23 16 19 52 48 50 50 54 46 48 48 49 51 47 49 50 50 50 51 49 NA 49 43 50 41.5		NA 9,999 9,999 6,500 6,800 3,980 4,230 2,790 4,240 1,300 1,800 1,350 1,478 1,774 1,475 1,535 1,565 1,720 1,429 1,474 1,434 1,684 1,635 NA NA 1,439 NA 642	Well Opened
	1/10/2002 1/18/2002 1/18/2002 1/31/2002 2/1/3/2002 2/1/3/2002 2/1/3/2002 2/1/3/2002 3/13/2002 3/29/2002 3/29/2002 3/3/2/2002 4/1/2002 5/1/2002	18:00 15:10 15:48 10:00 11:00 11:00 10:30 9:00 14:35 10:03 10:45 10:03 14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:00 11:00 11:00 12:45 14:30 13:31 15:50 15:51 12:48 19:11	NA 17 8 10 5.3 5.5 14.2 8.5 9 12 10.1 18.1 9 8.4 7.4 6.8 9.4 10.8 17 9.2 6.5 6.2 NA 9.4 9 9.15 11 8	2.9 48 31 23 16 19 52 48 50 50 54 46 48 49 51 47 49 50 50 50 51 49 NA 49 43 50 41.5		NA 9,999 9,999 6,500 6,800 3,980 4,220 2,790 4,240 1,300 1,800 1,350 1,478 1,744 1,475 1,535 1,565 1,720 1,429 1,474 1,434 1,635 NA NA 1,439 NA 642 795	Well Opened
	11/0/2002 1/18/2002 1/18/2002 1/31/2002 2/1/2002 2/1/2002 2/1/2002 2/1/2002 3/6/2002 3/29/2002 3/29/2002 3/30/2002 3/31/2002 3/31/2002 4/1/2002 5/3/2002 5/3/2002 5/3/2002 5/3/2002	18:00 15:10 15:48 10:00 11:00 10:30 11:00 10:30 10:30 10:43 10:00 14:35 10:05 10:45 10:31 16:50 11:40 17:00 11:20 11:30 12:20 11:45 8:45 14:30 19:35 18:37 15:20 15:51 12:248	NA 17 8 10 5.3 5.5 14.2 8.5 9 12 10.1 18.1 9 8.4 7.4 6.8 6.8 6.8 10.8 17 9.2 6.5 6.2 NA 9.4 9 9.15	2.9 48 31 23 16 19 52 48 50 50 54 46 48 48 49 51 47 49 50 50 50 51 49 NA 49 43 50 41.5		NA 9,999 9,999 6,500 6,800 3,980 4,230 2,790 4,240 1,300 1,800 1,350 1,478 1,744 1,475 1,535 1,565 1,720 1,429 1,474 1,434 1,635 NA NA 1,439 NA 1,439 NA 642 795	Well Opened
	1/10/2002 1/18/2002 1/18/2002 1/31/2002 2/1/2002 2/1/2002 2/1/2002 2/1/2002 3/13/2002 3/13/2002 3/29/2002 3/29/2002 3/30/2002 4/1/2002 5/2/2002 5/2/2002 5/2/2002 5/2/2002 5/2/2002 5/2/2002 5/2/2002	18:00 15:10 15:48 10:00 11:00 11:00 10:30 9:00 14:35 10:03 10:05 10:05 10:05 10:05 11:20 1	NA 17 8 10 5.3 5.5 14.2 8.5 9 12 10.1 18.1 9 8.4 7.4 6.8 9.4 10.8 17 9.2 6.5 6.2 NA 9.4 9.4 9.15 11 8 17.1 9 9.6	2.9 48 31 23 16 19 52 48 50 50 54 46 48 48 49 51 47 49 50 50 51 49 NA 49 43 50 41.5 43 48.5		NA 9,999 9,999 6,500 6,800 3,980 4,230 2,790 4,240 1,300 1,800 1,350 1,478 1,744 1,475 1,535 1,565 1,720 1,429 1,474 1,434 1,684 1,685 NA NA NA NA 1,439 NA 642 795 * 25 * 48	Well Opened
	11/0/2002 1/18/2002 1/18/2002 1/31/2002 2/1/2002 2/1/2002 2/1/2002 2/1/2002 3/6/2002 3/29/2002 3/29/2002 3/30/2002 3/31/2002 3/31/2002 4/1/2002 5/3/2002 5/3/2002 5/3/2002 5/3/2002	18:00 15:10 15:48 10:00 11:00 10:30 10:30 10:30 10:35 10:45 10:05 11:40 17:00 11:30 12:00 11:30 12:45 18:37 15:20 13:51 12:48 19:10 16:20	NA 17 8 10 5.3 5.5 14.2 8.5 9 12 10.1 18.1 9 8.4 7.4 6.8 6.8 6.8 6.8 9.4 10.8 17 9.2 6.5 6.2 NA 9.4 9 9.15 11 8 17.1	2.9 48 31 23 16 19 52 48 50 50 54 46 48 48 49 51 47 49 49 50 50 51 49 NA 49 43 50 41.5 43 48.5		NA 9,999 9,999 6,500 6,800 3,980 4,230 2,790 4,240 1,300 1,800 1,350 1,478 1,744 1,475 1,535 1,565 1,720 1,429 1,474 1,434 1,635 NA NA 1,439 NA 1,439 NA 642 795	Well Opened

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	FID (ppmv)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-2	11/27/2001	13:00	60	25		1,300	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	70	20		740	Well Opened
	1/10/2002	15:00	NA	1.5		NA	Well Closed
	1/18/2002	18:00	NA	3.2		NA	,,
	1/24/2002	15:10	NA	2		NA	,,
	1/31/2002	15:48	60	31		9,999	Well Opened
	2/1/2002	10:00	29	22		335	,,
	2/6/2002	13:00	18	15		260	,,
	2/15/2002	11:00	23	19		94	Well Closed
	3/20/2002	14:00	NA	47		18	"
	3/29/2002	14:20	24	19		8	"
	3/30/2002	10:58	24	21		8	Well Opened
	3/31/2002	10:31	24	20		3	,,
	4/1/2002	16:50	25	21		4	,,
	4/2/2002	11:40	NA	13		NA	Well Closed
	4/4/2002	17:00	NA	9		NA	
	4/5/2002	11:30	NA	12.5		NA	,,
	4/6/2002	12:00	NA	12		NA	
	4/7/2002	11:00	NA	13		NA	
	4/8/2002	12:45	NA	12		NA	
	4/9/2002	8:45	NA	14		NA	"
	4/10/2002	14:30	NA	12		NA	
	4/11/2002	19:35	NA	NA		NA	
	4/12/2002	18:37	NA	8.5		NA	"
	4/17/2002	15:20	NA	4		NA	
	4/23/2002	15:51	NA	11		NA	
	5/3/2002	12:48	NA	6		NA	
	5/9/2002	19:10	NA	11		NA	
	5/23/2002	16:20	NA	11		NA	,,
	6/13/2002	8:35	NA	12		NA	,,
	6/20/2002	10:17	NA	12		NA	,,
	6/27/2002	12:34	NA	11		NA	,,
	7/3/2002	11:00	NA	12		NA	"
2-VEW-3A	11/27/2001	13:00	20	20		710	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	12	22		160	Well Opened
	1/10/2002	15:00	NA	1.3		NA	"
	1/18/2002	18:00	23	50		560	,,
	1/24/2002	15:10	11	49		470	"
	1/31/2002	15:48	17	32		360	"
	2/1/2002	10:00	7	23		250	"
	2/6/2002	13:00	7	17		210	"
	2/15/2002	11:00	6.5	19		85	Well Closed
	3/20/2002	14:00	NA.	50		NA	"
	3/29/2002	10:00	94	54		31	Well Opened
	3/29/2002	14:20	1	9		NA NA	Well Closed
	3/30/2002	10:58	0.6	íı		NA NA	" CID CIDSOG
	3/31/2002	10:31	0.5	10		NA NA	
	4/1/2002	16:50	NA	10		NA NA	,,
	4/2/2002	11:40	NA NA	12		NA NA	,,
	4/4/2002	17:00	NA NA	8		NA NA	,,
	4/5/2002	11:30	NA NA	11.5		NA NA	,,
							,,
	4/6/2002 4/7/2002	12:00	NA NA	10.5		NA NA	,,
		11:00	NA	11		NA NA	,,
			B.T.A				
	4/8/2002	12:45	NA	12			,,
	4/8/2002 4/9/2002	12:45 8:45	NA	13		NA	,,
	4/8/2002 4/9/2002 4/10/2002	12:45 8:45 14:30	NA NA	13 10		NA NA	
	4/8/2002 4/9/2002 4/10/2002 4/11/2002	12:45 8:45 14:30 19:35	NA NA NA	13 10 NA		NA NA NA	,,
	4/8/2002 4/9/2002 4/10/2002 4/11/2002 4/12/2002	12:45 8:45 14:30 19:35 18:37	NA NA NA NA	13 10 NA 8		NA NA NA NA	,,
	4/8/2002 4/9/2002 4/10/2002 4/11/2002 4/12/2002 4/17/2002	12:45 8:45 14:30 19:35 18:37 15:20	NA NA NA NA NA	13 10 NA 8 4		NA NA NA NA NA	" " "
	4/8/2002 4/9/2002 4/10/2002 4/11/2002 4/12/2002 4/17/2002 4/23/2002	12:45 8:45 14:30 19:35 18:37 15:20 15:51	NA NA NA NA NA NA	13 10 NA 8 4 10		NA NA NA NA NA	
	4/8/2002 4/9/2002 4/10/2002 4/11/2002 4/12/2002 4/12/2002 4/23/2002 5/3/2002	12:45 8:45 14:30 19:35 18:37 15:20 15:51 12:48	NA NA NA NA NA NA	13 10 NA 8 4 10 5.5		NA NA NA NA NA NA NA	
	4/8/2002 4/9/2002 4/10/2002 4/11/2002 4/12/2002 4/17/2002 4/23/2002 5/3/2002 5/9/2002	12:45 8:45 14:30 19:35 18:37 15:20 15:51 12:48 19:10	NA NA NA NA NA NA NA	13 10 NA 8 4 10 5.5		NA	" " " " " " "
	4/8/2002 4/9/2002 4/10/2002 4/11/2002 4/12/2002 4/13/2002 5/3/2002 5/3/2002 5/23/2002	12:45 8:45 14:30 19:35 18:37 15:20 15:51 12:48 19:10 16:20	NA	13 10 NA 8 4 10 5.5 10		NA	
	4/8/2002 4/9/2002 4/10/2002 4/11/2002 4/12/2002 4/12/2002 5/3/2002 5/3/2002 5/3/2002 5/3/2002 5/3/2002	12:45 8:45 14:30 19:35 18:37 15:20 15:51 12:48 19:10 16:20 8:35	NA	13 10 NA 8 4 10 5.5 10		NA	" " " " " " " " "
	4/8/2002 4/19/2002 4/11/2002 4/11/2002 4/11/2002 4/23/2002 5/3/2002 5/3/2002 5/23/2002 6/13/2002 6/20/2002	12:45 8:45 14:30 19:35 18:37 15:20 15:51 12:48 19:10 16:20 8:35 10:17	NA	13 10 NA 8 4 10 5.5 10 10 12		NA N	
	4/8/2002 4/9/2002 4/10/2002 4/11/2002 4/12/2002 4/12/2002 5/3/2002 5/3/2002 5/3/2002 5/3/2002 5/3/2002	12:45 8:45 14:30 19:35 18:37 15:20 15:51 12:48 19:10 16:20 8:35	NA	13 10 NA 8 4 10 5.5 10		NA	10 10 10 10 10 10

2-VEW-3B	11/27/2001			of H2O)	(ppmv)	
	33 (00 (00 00)	13:00	11	25.0	2,250	Initial Startup
	11/28/2001	13:15	NA	0.1	NA	Well Closed
	11/30/2001	14:20	NA	0.7	NA	"
	12/3/2001	17:10	NA	0.2	NA	
	12/4/2001	10:15	NA	0.9	NA	
	12/5/2001	16:30	NA	0.6	NA	,,
	12/6/2001	8:30	NA	0.8	NA	,,
	12/7/2001	7:30	NA	1.2	NA	
	12/8/2001	16:00	NA	0.1	NA	,,
	12/9/2001	13:00	NA	0.0	NA	,,
	12/10/2001	16:00	NA	0.4	NA	,,
	12/11/2001	11:00	NA.	1.4	NA NA	,,
	12/12/2001	19:15	8	29.5	1,900	Well Opened
	12/13/2001	11:15	8	29.0	1,675	well Opened
	12/20/2001	15:10	17	39.0	1,345	,,
						,,
	12/28/2001	11:00	15	23.0	220	
	1/10/2002	15:00	NA	1.5	NA	Well Closed
	1/18/2002	18:00	NA	3.3	NA	"
	1/24/2002	15:10	NA	3.0	NA	
	1/31/2002	15:48	7	32.0	390	Well Opened
	2/1/2002	10:00	10	23.0	220	"
	2/6/2002	13:00	7	17.0	230	"
	2/15/2002	11:00	5.7	19	320	"
	3/20/2002	14:00	NA	47	203	"
	3/29/2002	14:20	18	46	296	"
	3/30/2002	10:58	8.4	48	226	
	3/31/2002	10:31	9	48	231	
	4/1/2002	16:50	9.3	48	197	
	4/2/2002	11:40	11.3	52	172	,,
	4/4/2002	17:00	10.1	47	262	,,
	4/5/2002	11:30	13.8	50	142	,,
	4/6/2002	12:00	49	14.1	116	,,
	4/7/2002	11:00	15.1	56	105	,,
	4/8/2002	12:45	17.1	51	87	,,
	4/9/2002	8:45	16.9	52	106	,,
		14:30	19.2	49	88	,,
	4/10/2002	19:35			NA	,,
	4/11/2002		NA 10	NA 40		,,
	4/12/2002	18:37	19	49	NA NA	,,
	4/17/2002	15:20	23	43	156	,,
	4/23/2002	15:51	26.3	50	NA	,,
	5/3/2002	12:48	28	42	51	,,
	5/9/2002	19:10	24	42	42	"
	5/23/2002	16:20	48	28.6	* 4.8	"
	6/13/2002	8:35	31.5	48	* 7.0	
	6/20/2002	10:17	28.4	48	* 7.0	"
	6/27/2002 7/3/2002	12:34 11:00	31.3 28	48 47	* 5.2 67	n n
2-VEW-4	11/27/2001	13:00	30	25	1,250	Well Closed 11/28/01-1/2
	1/3/2002	15:00	20	15	450	Well Opened
	1/10/2002	15:00	NA	1.8	NA NA	
	1/18/2002	18:00	NA	3.8	NA	
	1/24/2002	15:10	NA	2.3	NA	,,
	1/31/2002	15:48	33	31	940	,,
			23	23.5	565	,,
	2/1/2002	10:00	21		680	
	2/6/2002	13:00		17		With Class 4
	2/15/2002	11:00	20.5	19	400	Well Closed
	3/20/2002	14:00	NA 50	41	17	Well Order
	3/29/2002	14:20	59	45	60	Well Opened
	3/30/2002	10:58	51.5	48	167	,,
	3/31/2002	10:31	55.5	47	235	
	4/1/2002	16:50	51.5	48	270	"
	4/2/2002	11:40	56	50	257	
	4/4/2002	17:00	55	46	276	"
	4/5/2002	11:30	58	48.5	264	n
	4/6/2002	12:00	56	48	232	n
	4/7/2002	11:00	54.5	49.5	223	n
	4/8/2002	12:45	59.5	47	232	"
	4/9/2002	8:45	58	50	272	"
	4/10/2002	14:30	55.5	47	234	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	48	61	NA	
	4/17/2002	15:20	58.5	41	252	,,
		15:51	61.5	49	NA	,,
				41	209	,,
	4/23/2002				20)	
	4/23/2002 5/3/2002	12:48	57		170	,,
	4/23/2002 5/3/2002 5/9/2002	12:48 19:10	48	43	179	,,
	4/23/2002 5/3/2002 5/9/2002 5/23/2002	12:48 19:10 16:20	48 56	43 47	* 17.2	,,
	4/23/2002 5/3/2002 5/9/2002 5/23/2002 6/13/2002	12:48 19:10 16:20 8:35	48 56 58	43 47 46	* 17.2 * 13.8	"
	4/23/2002 5/3/2002 5/9/2002 5/23/2002	12:48 19:10 16:20	48 56	43 47	* 17.2	,,

	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	FID (ppmv)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-5	11/27/2001	13:00	90	25		1,075	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	75	17		800	Well Opened
	1/10/2002	15:00	NA	2.8		NA	
	1/18/2002	18:00	NA	3.4		NA	"
	1/24/2002	15:10	NA	2.5		NA	,,
	1/31/2002	15:48	65	30		1,150	,,
	2/1/2002	10:00	47	20		700	,,
	2/6/2002	13:00	32	16		910	
	2/15/2002	11:00	36	19		570	Well Closed
	3/20/2002	14:00	NA	43		75	,,
	3/29/2002	14:20	81	39		76 99	
	3/30/2002 3/31/2002	10:58 10:31	80.5 80.5	41 41		102	Well Opened
	4/1/2002 4/1/2002	16:50	80.5 80	41		102	"
	4/2/2002	11:40	86	41		91	,,
	4/4/2002	17:00	83.5	38		104	"
							"
	4/5/2002	11:30	86 85	42 41		8 0 69	,,
	4/6/2002 4/7/2002	12:00 11:00	94.5	41.5		63	,,
							,,
	4/8/2002 4/9/2002	12:45 8:45	87 87	40 42		61 78	,,
				42 40			,,
	4/10/2002	14:30	85.5 NA			69 NA	Well Closed
	4/11/2002	19:35 18:37	NA NA	NA		NA NA	well Closed
	4/12/2002 4/17/2002	15:20	NA NA	11 6		NA NA	,,
	4/23/2002	15:20	NA NA	13.5		NA NA	,,
	4/23/2002 5/3/2002	12:48		13.5 7		NA NA	,
	5/9/2002	12:48	NA NA	14			,,
			NA NA	15		NA NA	,,
	5/23/2002 6/13/2002	16:20 8:35	NA NA	15		NA NA	,,
	6/20/2002	10:17	NA NA	15.5		NA NA	,,
	6/27/2002	12:34	NA NA	14.5		NA NA	,,
	7/3/2002	11:00	NA NA	15		NA NA	,,
2-VEW-6	11/27/2001	13:00	52	25		9,999	Well Closed 11/28/01-1/2/02
2-1211-0	1/3/2002	15:00	NA	15		625	Well Opened
	1/10/2002	15:00	NA NA	2.3		NA	Well Closed
	1/18/2002	18:00	NA NA	3.6		NA NA	well Closed
	1/10/2002			2.5		NA NA	,,
	1/24/2002						
	1/24/2002	15:10 15:48	NA 40				Well Opened
	1/31/2002	15:48	40	30		3,130	Well Opened
	1/31/2002 2/1/2002	15:48 10:00	40 27	30 20		3,130 1,500	Well Opened
	1/31/2002 2/1/2002 2/6/2002	15:48 10:00 13:00	40 27 21	30 20 16		3,130 1,500 1,530	"
	1/31/2002 2/1/2002 2/6/2002 2/15/2002	15:48 10:00 13:00 11:00	40 27 21 25	30 20 16 19		3,130 1,500 1,530 945	Well Opened " " Well Closed "
	1/31/2002 2/1/2002 2/6/2002 2/15/2002 2/27/2002	15:48 10:00 13:00 11:00 10:30	40 27 21 25 68	30 20 16 19 35		3,130 1,500 1,530 945 520	n n
	1/31/2002 2/1/2002 2/6/2002 2/15/2002 2/27/2002 3/6/2002	15:48 10:00 13:00 11:00 10:30 9:00	40 27 21 25 68 81	30 20 16 19 35 33		3,130 1,500 1,530 945 520 433	 Well Closed
	1/31/2002 2/1/2002 2/6/2002 2/15/2002 2/27/2002 3/6/2002 3/13/2002	15:48 10:00 13:00 11:00 10:30 9:00 14:35	40 27 21 25 68 81 81	30 20 16 19 35 33 34		3,130 1,500 1,530 945 520 433 335	Well Closed
	1/31/2002 2/1/2002 2/6/2002 2/15/2002 2/27/2002 3/6/2002 3/13/2002 3/20/2002	15:48 10:00 13:00 11:00 10:30 9:00 14:35 10:45	40 27 21 25 68 81 81 62	30 20 16 19 35 33 34 30		3,130 1,500 1,530 945 520 433 335 280	Well Closed
	1/31/2002 2/1/2002 2/6/2002 2/15/2002 2/27/2002 3/6/2002 3/13/2002 3/29/2002 3/29/2002	15:48 10:00 13:00 11:00 10:30 9:00 14:35 10:45 10:00	40 27 21 25 68 81 81 62 56	30 20 16 19 35 33 34 30 28		3,130 1,500 1,530 945 520 433 335 280 241	Well Closed
	1/31/2002 2/1/2002 2/6/2002 2/15/2002 2/27/2002 3/6/2002 3/13/2002 3/20/2002 3/29/2002	15:48 10:00 13:00 11:00 10:30 9:00 14:35 10:45 10:00 14:20	40 27 21 25 68 81 81 62 56	30 20 16 19 35 33 34 30 28		3,130 1,500 1,530 945 520 433 335 280 241	Well Closed
	1/31/2002 2/1/2002 2/16/2002 2/15/2002 2/27/2002 3/6/2002 3/20/2002 3/29/2002 3/29/2002 3/30/2002	15:48 10:00 13:00 11:00 10:30 9:00 14:35 10:45 10:00 14:20	40 27 21 25 68 81 81 62 56 85 78.5	30 20 16 19 35 33 34 30 28 46		3,130 1,500 1,530 945 520 433 335 280 241 246 263	
	1/31/2002 2/1/2002 2/6/2002 2/15/2002 2/15/2002 3/6/2002 3/13/2002 3/29/2002 3/29/2002 3/29/2002 3/31/2002 3/31/2002	15:48 10:00 13:00 11:00 10:30 9:00 14:35 10:45 10:00 14:20 10:58 10:31	40 27 21 25 68 81 81 62 56 85 78.5	30 20 16 19 35 33 34 30 28 46 44		3,130 1,500 1,530 945 520 433 335 280 241 246 263 262	Well Closed Well Opened
	1/31/2002 21/2002 2/6/2002 2/15/2002 2/27/2002 3/6/2002 3/13/2002 3/29/2002 3/29/2002 3/30/2002 3/31/2002 4/1/2002	15:48 10:00 13:00 11:00 10:30 9:00 14:35 10:45 10:00 14:20 10:58 10:31 16:50	40 27 21 25 68 81 81 62 56 85 78.5	30 20 16 19 35 33 34 30 28 46 44 42 43		3,130 1,500 1,530 945 520 433 335 280 241 246 263 262 245	Well Closed Well Opened
	J/31/2002 21/2002 2/6/2002 21/5/2002 2/27/2002 3/6/2002 3/13/2002 3/29/2002 3/29/2002 3/30/2002 3/31/2002 4/1/2002	15:48 10:00 13:00 11:00 10:30 9:00 14:35 10:45 10:00 14:20 10:58 10:31 16:50 11:40	40 27 21 25 68 81 81 62 56 85 78.5 87 81	30 20 16 19 35 33 34 30 28 46 44 42 43		3,130 1,500 1,530 945 520 433 335 280 241 246 263 262 245 208	Well Closed Well Opened
	1/31/2002 2/1/2002 2/6/2002 2/15/2002 2/15/2002 3/6/2002 3/33/2002 3/29/2002 3/29/2002 3/30/2002 3/31/2002 4/1/2002 4/4/2002	15:48 10:00 13:00 11:00 10:30 9:00 14:35 10:45 10:00 14:20 10:58 10:31 16:50 11:40	40 27 21 25 68 81 81 62 56 85 78.5 87 81 86	30 20 16 19 35 33 34 30 28 46 44 42 43 45		3,130 1,500 1,530 945 520 433 335 280 241 246 263 262 245 208	Well Closed Well Opened
	1/31/2002 21/2002 21/6/2002 21/6/2002 3/6/2002 3/6/2002 3/3/20002 3/29/2002 3/3/2002 3/3/2002 3/3/2002 3/3/2002 4/1/2002 4/2/2002 4/5/2002	15:48 10:00 13:00 11:00 10:30 9:00 14:35 10:45 10:00 14:20 10:58 10:31 16:50 11:40 17:00	40 27 21 25 68 81 81 62 56 85 78.5 87 81 86 87	30 20 16 19 35 33 34 30 28 46 44 42 43 45 40		3,130 1,500 1,530 945 520 433 335 280 241 246 263 262 245 208 222 209	Well Closed Well Opened
	1/31/2002 2/1/2002 2/6/2002 2/5/2002 2/5/2002 3/6/2002 3/31/2002 3/29/2002 3/31/2002 4/1/2002 4/2/2002 4/4/2002 4/5/2002 4/6/2002	15:48 10:00 11:00 10:30 9:00 14:35 10:45 10:00 14:20 10:58 10:31 16:50 11:40 17:00 11:30	40 27 21 25 68 81 81 62 56 85 78.5 87 81 86 87 98	30 20 16 19 35 33 34 30 28 46 44 42 43 45 40 43 45		3,130 1,500 1,530 945 520 433 335 280 241 246 263 262 245 208 222 209	Well Closed Well Opened
	1/31/2002 21/2002 21/5/2002 21/5/2002 3/5/2002 3/6/2002 3/29/2002 3/29/2002 3/29/2002 3/29/2002 4/2/2002 4/2/2002 4/5/2002 4/5/2002 4/7/2002	15:48 10:00 13:00 11:00 10:30 9:00 14:35 10:45 10:00 14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:00 11:00	40 27 21 25 68 81 81 62 56 85 78.5 87 81 86 87 98.5 94.5	30 20 16 19 35 33 34 30 28 46 44 42 43 45 40 43 42.5 43.5		3,130 1,500 1,530 945 520 433 335 280 241 246 263 262 245 208 222 209 172 168	Well Closed Well Opened
	1/31/2002 2/1/2002 2/6/2002 2/5/2002 2/5/2002 3/6/2002 3/3/2002 3/29/2002 3/3/2002 3/3/2002 4/1/2002 4/4/2002 4/4/2002 4/6/2002 4/1/2002 4/1/2002 4/1/2002	15:48 10:00 11:00 10:30 9:00 14:35 10:45 10:00 14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:00	40 27 21 25 68 81 81 62 56 85 78.5 87 81 86 87 98.5 94.5 96.5	30 20 16 19 35 33 34 30 28 46 44 42 43 45 40 43 45 40 43 43,5		3,130 1,500 1,530 945 520 433 335 280 241 246 263 262 245 208 222 209 172 168	Well Closed Well Opened
	1/31/2002 21/2002 21/5/2002 21/5/2002 3/5/2002 3/3/2002 3/29/2002 3/29/2002 3/30/2002 4/1/2002 4/2/2002 4/5/2002 4/5/2002 4/7/2002 4/5/2002 4/5/2002 4/5/2002 4/5/2002 4/5/2002 4/5/2002 4/5/2002 4/5/2002	15:48 10:00 13:00 11:00 10:30 9:00 14:35 10:45 10:05 10:58 10:31 16:50 11:40 17:00 11:30 12:45 8:45	40 27 21 25 68 81 81 62 56 85 78.5 87 81 86 87 98 94.5 93.5 96.5	30 20 16 19 35 33 34 30 28 46 44 42 43 45 40 43 42,5 43,5 43		3,130 1,500 1,530 945 520 433 335 280 241 246 263 262 245 208 222 209 172 168 165 208	Well Closed Well Opened
	1/31/2002 21/2002 21/6/2002 21/5/2002 2/5/2002 3/6/2002 3/20/2002 3/20/2002 3/20/2002 3/30/2002 3/31/2002 4/1/2002 4/6/2002	15:48 10:00 13:00 11:00 10:30 9:00 14:35 10:045 10:058 10:31 16:550 11:40 17:00 11:30 12:00 12:45 8:45	40 27 21 25 68 81 81 62 56 85 78.5 87 81 86 87 98 94.5 93.5 96.5	30 20 16 19 35 33 34 30 28 46 44 42 43 45 40 43 42.5 43,5 43,4 44 44		3,130 1,500 1,530 945 520 433 335 280 241 246 263 262 245 208 222 209 172 168 165 208	Well Closed Well Opened
	1/31/2002 2/1/2002 2/1/2002 2/1/2002 2/27/2002 3/6/2002 3/31/2002 3/29/2002 3/31/2002 4/1/2002	15:48 10:00 13:00 11:00 10:30 9:00 14:35 10:45 10:00 14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:30	40 27 21 25 68 81 81 62 56 85 78.5 87 81 86 87 94.5 93.5 96.5 95.5	30 20 16 19 35 33 34 30 28 46 44 42 43 45 40 43 42,5 43,5 43,4 44 42		3,130 1,500 1,530 945 520 433 335 280 241 246 263 262 245 208 222 209 172 168 165 208	Well Closed Well Opened
	1/31/2002 21/2002 21/5/2002 21/5/2002 2/5/2002 3/6/2002 3/29/2002 3/29/2002 3/29/2002 3/29/2002 3/29/2002 4/2/2002 4/2/2002 4/5/2002	15:48 10:00 13:00 11:00 10:30 9:00 14:35 10:45 10:00 10:58 10:31 16:50 11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:30 19:35	40 27 21 25 68 81 81 62 56 85 78.5 87 81 86 87 98 94.5 93.5 96.5 95.5 87 NA	30 20 16 19 35 33 34 30 28 46 44 42 43 45 40 43 42.5 43.5 43 44 42 NA		3,130 1,500 1,530 945 520 433 335 280 241 246 263 262 245 208 222 209 172 168 165 208 165 NA NA	Well Closed Well Opened Well Opened """ """ """ """ "" """ """
	1/31/2002 2/1/2002 2/1/2002 2/1/2002 2/1/2002 2/1/2002 3/1/3/2002 3/1/3/2002 3/29/2002 3/29/2002 3/3/2/2002 3/3/2/2002 4/1/2002	15:48 10:00 13:00 11:00 10:30 9:00 14:35 10:45 10:58 10:31 16:50 11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:30 19:35 18:37	40 27 21 25 68 81 81 62 56 85 78.5 87 81 86 87 94.5 93.5 96.5 95.5 87 NA	30 20 16 19 35 33 34 30 28 46 44 42 43 45 40 43 45 40 43 42,5 43,5 43,4 44 42 NA		3,130 1,500 1,500 1,530 945 520 433 335 280 241 246 263 262 245 208 222 209 172 168 165 208 165 NA NA 158	Well Closed Well Opened
	1/31/2002 20/2002 20/2002 20/5/2002 20/5/2002 3/5/2002 3/5/2002 3/29/2002 3/29/2002 3/30/2002 4/1/2002 4/2/2002 4/7/2002	15:48 10:00 13:00 11:00 10:30 9:00 14:35 10:45 10:00 14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:45 8:45 14:30 19:35 18:37 15:20 15:51	40 27 21 25 68 81 81 62 56 85 78.5 87 81 86 87 98 94.5 93.5 96.5 95.5 87 NA 104 107	30 20 16 19 35 33 34 30 28 46 44 42 43 45 40 43 42,5 43,5 43 44 42 NA 44		3,130 1,500 1,530 945 520 433 335 280 241 246 263 262 245 208 222 209 172 168 165 208 165 NA NA 158 NA	Well Closed Well Opened
	1/31/2002 2/1/2002 2/1/2002 2/1/2002 2/1/2002 2/1/2002 3/1/2002 3/1/2002 3/29/2002 3/29/2002 3/29/2002 3/29/2002 4/1/2002	15:48 10:00 13:00 10:30 9:00 14:35 10:45 10:58 10:31 16:50 11:40 17:00 11:30 12:45 8:45 14:30 19:35 18:37 15:20 15:48	40 27 21 25 68 81 81 62 56 85 78.5 87 81 86 87 94.5 93.5 96.5 95.5 87 NA 104 107 108 98	30 20 16 19 35 33 34 30 28 46 44 42 43 45 40 43 45 40 43 42.5 43,5 43,5 43,4 44 42 NA 44 37		3,130 1,500 1,500 1,530 945 520 433 335 280 241 246 263 262 245 208 222 209 172 168 165 208 165 NA NA NA 158 NA	Well Closed Well Opened """ """ """ """ """ """ """
	1/31/2002 20/2002 20/2002 20/2002 20/2002 20/2002 3/3/2002 3/3/2002 3/3/2002 3/3/2002 3/3/2002 3/3/2002 3/3/2002 4/1/2002 5/3/2002	15:48 10:00 13:00 11:00 10:30 9:00 14:35 10:45 10:05 10:58 10:31 16:50 11:40 17:00 11:30 12:00 11:20 11:30 12:45 8:45 14:30 19:35 18:37 15:20 15:51 16:52 16:51	40 27 21 25 68 81 81 62 56 85 78.5 87 81 86 87 98.5 94.5 93.5 96.5 95.5 87 NA 104 107 108 98	30 20 16 19 35 33 34 30 28 46 44 42 43 45 40 43 42,5 43,5 43 44 42 NA 44 37 44		3,130 1,500 1,530 945 520 433 335 280 241 246 263 262 245 208 222 209 172 168 165 208 165 NA NA 158 NA	Well Closed " " " Well Opened " " " " " " " " " " " " " " " " " " "
	1731/2002 21/2002 21/5/2002 21/5/2002 3/6/2002 3/6/2002 3/29/2002 3/29/2002 3/29/2002 3/29/2002 3/29/2002 4/2/2002 4/2/2002 4/5/2002 4/5/2002 4/5/2002 4/5/2002 4/5/2002 4/5/2002 4/5/2002 4/5/2002 4/5/2002 4/5/2002 4/5/2002 5/5/2002 5/5/2002 5/5/2002 5/5/2002	15:48 10:00 13:00 11:00 10:30 9:00 14:35 10:45 10:00 14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:00 12:45 8:45 14:30 19:35 18:37 15:20 15:51 12:48 19:10 16:20	40 27 21 25 68 81 81 62 56 85 78.5 87 81 86 87 98 94.5 93.5 96.5 95.5 87 NA 104 107 108 98 83 88.5	30 20 16 19 35 33 34 30 28 46 44 42 43 45 40 43 42.5 43.5 43 44 42 NA 44 37 39 44		3,130 1,500 1,530 945 520 433 335 280 241 246 263 262 245 208 222 209 172 168 165 NA NA 158 NA 110 105 8	Well Closed
	1/31/2002 2/1/2002 2/1/2002 2/1/2002 2/1/2002 2/1/2002 3/3/2002 3/3/2002 3/3/2002 3/3/2002 3/3/2002 3/3/2002 3/3/2002 4/1/2002	15:48 10:00 13:00 11:00 10:30 9:00 14:35 10:45 10:45 10:58 10:31 16:50 11:40 17:00 11:30 12:00 11:00 12:00 11:00 12:45 8:45 14:30 19:35 18:37 15:20 15:51 12:48 19:10 16:20 8:35	40 27 21 25 68 81 81 62 56 85 78.5 87 81 86 87 94.5 93.5 96.5 95.5 87 NA 104 107 108 98 83 88.5	30 20 16 19 35 33 34 30 28 46 44 42 43 45 40 43 45 40 43 42,5 43,5 43,4 44 42 NA 44 37 37 39 44 44 37		3,130 1,500 1,530 945 520 433 335 280 241 246 263 262 245 208 222 209 172 168 165 208 165 NA NA NA 158 NA 110 105 8	Well Closed Well Opened
	1731/2002 21/2002 21/5/2002 21/5/2002 3/6/2002 3/6/2002 3/29/2002 3/29/2002 3/29/2002 3/29/2002 3/29/2002 4/2/2002 4/2/2002 4/5/2002 4/5/2002 4/5/2002 4/5/2002 4/5/2002 4/5/2002 4/5/2002 4/5/2002 4/5/2002 4/5/2002 4/5/2002 5/5/2002 5/5/2002 5/5/2002 5/5/2002	15:48 10:00 13:00 11:00 10:30 9:00 14:35 10:45 10:00 14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:00 12:45 8:45 14:30 19:35 18:37 15:20 15:51 12:48 19:10 16:20	40 27 21 25 68 81 81 62 56 85 78.5 87 81 86 87 98 94.5 93.5 96.5 95.5 87 NA 104 107 108 98 83 88.5	30 20 16 19 35 33 34 30 28 46 44 42 43 45 40 43 42.5 43.5 43 44 42 NA 44 37 39 44		3,130 1,500 1,530 945 520 433 335 280 241 246 263 262 245 208 222 209 172 168 165 NA NA 158 NA 110 105 8	Well Closed Well Opened "" "" "" "" "" "" "" "" ""

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	FID (ppmv)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-7A	11/27/2001	13:00	13	25		360	Well Closed 11/28/01-1/2/
	1/3/2002	15:00	75	20		100	Well Opened
	1/10/2002	15:00	NA	1.4		NA	,,
	1/18/2002	18:00	17	50		600	,,
	1/24/2002	15:10	15	48		940	"
	1/31/2002	15:48	8	30		1,100	"
	2/1/2002	10:00	6	21		730	,,
	2/6/2002	13:00	16	4.5		775	
	2/15/2002	11:00	6	18		333	Well Closed
	3/20/2002	14:00	NA	53		17	
	3/29/2002	14:20	11.6	41		25	Well Opened
	3/30/2002	10:58	12	44		39	,,
	3/31/2002	10:31 16:50	13.6 14.1	43.5		54 73	,,
	4/1/2002 4/2/2002		13.1	43 46		73 73	,,
	4/4/2002	11:40 17:00	11.8	41.5		81	,,
	4/5/2002	11:30	15.4	45		59	,,
	4/6/2002	12:00	14.4	44		51	,,
	4/7/2002	11:00	14.4	45		51	,,
	4/8/2002	12:45	14.4	45		47	
	4/9/2002	8:45	13.7	45		55	
	4/10/2002	14:30	13.3	44		53	
	4/11/2002	19:35	NA NA	NA		NA	Well Closed
	4/12/2002	18:37	104	9		NA	" Closed
	4/17/2002	15:20	107	5		NA	,,
	4/23/2002	15:51	107	12		NA NA	,,
	5/3/2002	12:48	98	6		NA NA	,,
	5/9/2002	19:10	83	11		NA NA	,,
	5/23/2002	16:20	NA	12		NA NA	,,
	6/13/2002	8:35	NA	13		NA	
	6/20/2002	10:17	NA	12		NA	
	6/27/2002	12:34	NA	12		NA	,,
	7/3/2002	11:00	NA	12		NA	"
2-VEW-7B	11/27/2001	13:00	60	25.0		600	Initial Startup
	11/28/2001	13:15	NA	0.3		NA	Well Closed
	11/30/2001	14:20	NA	0.9		NA	"
	12/3/2001	17:10	NA	0.2		NA	,,
	12/4/2001	10:15	NA	1.2		NA	"
	12/5/2001	16:30	NA	0.8		NA	"
	12/6/2001	8:30	NA	1.0		NA	"
	12/7/2001	7:30	NA	1.4		NA	"
	12/8/2001	16:00	NA	0.1		NA	,,
	12/9/2001	13:00	NA	0.0		NA	"
	12/10/2001	16:00	NA	0.5		NA	
	12/11/2001	11:00	NA	1.6		NA	
	12/12/2001	19:15	75	27.0		5,450	Well Opened
	12/13/2001	11:15	85	29.0		4,380	,
	12/20/2001	15:10	95	34.0		9,999	
	12/28/2001	11:00	75	20.0		100	
	1/3/2002	15:00	75	20.0		100	
	1/10/2002	15:00	NA	1.9		NA	Well Closed
	1/18/2002	18:00	NA	3.5		NA	
	1/24/2002	15:10	NA	2.4		NA	"
	1/31/2002	15:48	57	29.0		1,060	Well Opened
	2/1/2002	10:00	40	21.0		920	,,
	2/6/2002	13:00	34	17.0		850	,,
	2/15/2002	11:00	34	18		850	,,
	2/27/2002	10:30	70	36		800	"
	3/6/2002	9:00	65	34		677	"
	3/13/2002	14:35	78	35		495	"
	3/20/2002	10:45	91	35		420	"
	3/29/2002	10:00	64	44		422	,,
		14:20	77.5	40		385	"
	3/29/2002		58.5	42		406	"
	3/30/2002	10:58					"
	3/30/2002 3/31/2002	10:31	59	41.5		431	
	3/30/2002 3/31/2002 4/1/2002	10:31 16:50	59 78	42		375	,,
	3/30/2002 3/31/2002 4/1/2002 4/2/2002	10:31 16:50 11:40	59 78 81	42 44		375 351	"
	3/30/2002 3/31/2002 4/1/2002 4/2/2002 4/4/2002	10:31 16:50 11:40 17:00	59 78 81 85	42 44 39.5		375 351 421	n n
	3/30/2002 3/31/2002 4/1/2002 4/2/2002 4/4/2002 4/5/2002	10:31 16:50 11:40 17:00 11:30	59 78 81 85 107	42 44 39.5 42.5		375 351 421 390	n n n
	3/30/2002 3/31/2002 4/1/2002 4/2/2002 4/4/2002 4/5/2002 4/6/2002	10:31 16:50 11:40 17:00 11:30 12:00	59 78 81 85 107 104	42 44 39.5 42.5 42		375 351 421 390 323	" " " "
	3/30/2002 3/31/2002 4/1/2002 4/2/2002 4/4/2002 4/5/2002 4/6/2002 4/7/2002	10:31 16:50 11:40 17:00 11:30 12:00 11:00	59 78 81 85 107 104 102	42 44 39.5 42.5 42 43		375 351 421 390 323 310	" " " " "
	3/30/2002 3/31/2002 4/1/2002 4/2/2002 4/4/2002 4/5/2002 4/6/2002 4/8/2002	10:31 16:50 11:40 17:00 11:30 12:00 11:00 12:45	59 78 81 85 107 104 102 101	42 44 39.5 42.5 42 43 44		375 351 421 390 323 310 310	
	3/30/2002 3/31/2002 4/1/2002 4/2/2002 4/4/2002 4/5/2002 4/6/2002 4/7/2002 4/8/2002 4/9/2002	10:31 16:50 11:40 17:00 11:30 12:00 11:00 12:45 8:45	59 78 81 85 107 104 102 101	42 44 39.5 42.5 42 43 44		375 351 421 390 323 310 310 352	0 0 0 0 0
	3/30/2002 3/31/2002 4/1/2002 4/2/2002 4/4/2002 4/5/2002 4/6/2002 4/7/2002 4/8/2002 4/9/2002 4/10/2002	10:31 16:50 11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:30	59 78 81 85 107 104 102 101 106 80	42 44 39.5 42.5 42 43 44 44		375 351 421 390 323 310 310 352 319	
	3/30/2002 3/31/2002 4/1/2002 4/2/2002 4/4/2002 4/6/2002 4/7/2002 4/8/2002 4/9/2002 4/10/2002 4/11/2002	10:31 16:50 11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:30 19:35	59 78 81 85 107 104 102 101 106 80 NA	42 44 39.5 42.5 42 43 44 44 42 NA		375 351 421 390 323 310 310 352 319 NA	
	3'30'2002 3'31'2002 41'1'2002 4'4'2'2002 4'4'2'2002 4'6'2002 4'7'2'2002 4'8'2'2002 4'10'2'2002 4'11'2'2002 4'11'2'2002	10:31 16:50 11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:30 19:35 18:37	59 78 81 85 107 104 102 101 106 80 NA 114	42 44 39.5 42.5 42 43 44 44 42 NA		375 351 421 390 323 310 310 352 319 NA	
	3/30/2002 3/31/2002 4/1/2002 4/2/2002 4/4/2002 4/6/2002 4/6/2002 4/9/2002 4/10/2002 4/11/2002 4/11/2002 4/11/2002 4/11/2002	10:31 16:50 11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:30 19:35 18:37 15:20	59 78 81 85 107 104 102 101 106 80 NA 114	42 44 39.5 42.5 42 43 44 44 42 NA 43 36		375 351 421 390 323 310 310 352 319 NA NA 305	
	3/30/2002 3/31/2002 4/1/2002 4/2/2002 4/5/2002 4/5/2002 4/5/2002 4/7/2002 4/9/2002 4/10/2002 4/11/2002 4/11/2002 4/11/2002 4/11/2002 4/13/2002 4/13/2002	10:31 16:50 11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:30 19:35 18:37 15:20	59 78 81 85 107 104 102 101 106 80 NA 114 114.5 109	42 44 39.5 42.5 42 43 44 44 42 NA 43 36		375 351 421 390 323 310 310 352 319 NA NA 305 NA	
	3/30/2002 3/31/2002 4/1/2002 4/2/2002 4/4/2002 4/6/2002 4/6/2002 4/9/2002 4/10/2002 4/11/2002 4/11/2002 4/11/2002 4/11/2002 4/12/2002 4/13/2002 5/3/2002	10:31 16:50 11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:30 19:35 18:37 15:20 15:51 12:48	59 78 81 85 107 104 102 101 106 80 NA 114 114.5 109 58	42 44 39.5 42.5 42 43 44 44 42 NA 43 36 44 36.5		375 351 421 390 323 310 310 352 319 NA NA 305 NA	
	3/30/2002 3/31/2002 4/1/2002 4/2/2002 4/5/2002 4/5/2002 4/6/2002 4/7/2002 4/10/2002 4/11/2002 4/11/2002 4/11/2002 4/11/2002 5/3/2002 5/9/2002	10:31 16:50 11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:30 19:35 18:37 15:20 15:51 12:48	59 78 81 85 107 104 102 101 106 80 NA 114 114.5 109 58 73	42 44 39.5 42.5 42 43 44 44 42 NA 43 36 44 36.5		375 351 421 390 323 310 310 352 319 NA NA 905 NA 178	
	3/30/2002 3/31/2002 4/1/2002 4/2/2002 4/5/2002 4/5/2002 4/6/2002 4/7/2002 4/8/2002 4/10/2002 4/11/2002 4/11/2002 4/11/2002 4/11/2002 5/3/2002 5/3/2002 5/3/2002	10:31 16:50 11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:30 19:35 18:37 15:20 15:51 12:48 19:10	59 78 81 85 107 104 102 101 106 80 NA 114 114.5 109 58 73 87.5	42 44 39.5 42.5 42 43 44 44 42 NA 43 36 44 36.5 39		375 351 421 390 323 310 310 352 319 NA NA 305 NA 178 164	
	3/50/2002 3/51/2002 4/1/2002 4/2/2002 4/5/2002 4/5/2002 4/7/2002 4/7/2002 4/10/2002 4/10/2002 4/11/2002 4/11/2002 4/17/2002 4/17/2002 5/3/2002 5/3/2002 5/3/2002 5/3/2002	10:31 16:50 11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:30 19:35 18:37 15:20 15:51 12:48 19:10 8:35	59 78 81 85 107 104 102 101 106 80 NA 114 114.5 109 58 73 87.5 86.5	42 44 39.5 42.5 42 43 44 44 42 NA 43 36 44 36.5 39 43		375 351 421 390 323 310 310 352 319 NA NA 305 NA 178 164 * 11	
	3/30/2002 3/31/2002 4/1/2002 4/2/2002 4/5/2002 4/5/2002 4/5/2002 4/7/2002 4/10/2002 4/10/2002 4/11/2002 4/11/2002 4/11/2002 4/11/2002 5/3/2002 5/3/2002 5/23/2002 6/30/2002	10:31 16:50 11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:30 19:35 18:37 15:20 15:51 12:48 19:10 16:20 8:35	59 78 81 85 107 104 102 101 106 80 NA 114 114.5 109 58 73 87.5 86.5 39.5	42 44 39.5 42.5 42 43 44 44 42 NA 43 36 44 36.5 39 43		375 351 421 390 323 310 310 352 319 NA NA 305 NA 178 164 * 11	
	3/50/2002 3/51/2002 4/1/2002 4/2/2002 4/5/2002 4/5/2002 4/7/2002 4/7/2002 4/10/2002 4/10/2002 4/11/2002 4/11/2002 4/17/2002 4/17/2002 5/3/2002 5/3/2002 5/3/2002 5/3/2002	10:31 16:50 11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:30 19:35 18:37 15:20 15:51 12:48 19:10 8:35	59 78 81 85 107 104 102 101 106 80 NA 114 114.5 109 58 73 87.5 86.5	42 44 39.5 42.5 42 43 44 44 42 NA 43 36 44 36.5 39 43		375 351 421 390 323 310 310 352 319 NA NA 305 NA 178 164 * 11	

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	FID (ppmv)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-8A	11/27/2001	13:00	14	25		1,675	Well Closed 11/28/01-1/2.
	1/3/2002	15:00	10	20		240	Well Opened
	1/10/2002	15:00	NA	2.5		NA	
	1/18/2002	18:00	24	50		855	,,
	1/24/2002	15:10	14	48		1,030	,,
	1/31/2002	15:48	6	30		980	
	2/1/2002	10:00	7	21		1,010	,,
	2/6/2002	13:00	6	16		1,400	,,
							Ni-fi Gl 4
	2/15/2002	11:00	6.5	18		480	Well Closed
	3/20/2002	14:00	NA	55		24	
	3/29/2002	14:20	7	43		59	Well Opened
	3/30/2002	10:58	7	43		76	,,
	3/31/2002	10:31	9.8	43		81	"
	4/1/2002	16:50	9.4	45		79	
	4/2/2002	11:40	9.5	46		117	"
	4/4/2002	17:00	8.8	42		130	"
	4/5/2002	11:30	11.4	45		78	"
	4/6/2002	12:00	10.8	44.5		63	,,
	4/7/2002	11:00	10.4	44		59	,,
	4/8/2002	12:45	11	45		58	,,
	4/9/2002	8:45	10.1	47		69	n
	4/10/2002	14:30	9.7	44		69	,,
	4/11/2002	19:35	NA	NA		NA	Well Closed
	4/12/2002	18:37	NA	11		NA	
	4/17/2002	15:20	NA	6		NA	
	4/23/2002	15:51	NA	13		NA	
	5/3/2002	12:48	NA	1		NA	"
	5/9/2002	19:10	NA	2		NA	"
	5/23/2002	16:20	NA	14		NA	,,
	6/13/2002	8:35	NA	15		NA	
	6/20/2002	10:17	NA	15		NA	,,
	6/27/2002	12:34	NA	14		NA	,,
	7/3/2002	11:00	NA	15		NA	,,
2-VEW-8B	11/27/2001	13:00	56	30		3,750	Well Closed 11/28/01-1/2
2- VE W-0D		15:00	50	20		990	
	1/3/2002						Well Opened
	1/10/2002	15:00	64	21		2,750	
	1/18/2002	18:00	NA	3.7		NA	Well Closed
	1/24/2002	15:10	NA	2.8		NA	,,
	1/31/2002	15:48	46	29		1,300	Well Opened
	2/1/2002	10:00	30	21		1,370	"
	2/6/2002	13:00	22	16		790	"
	2/15/2002	11:00	22	19		1,830	"
	2/27/2002	10:30	76	44		1,185	
	3/6/2002	9:00	54	42		930	
	3/13/2002	14:35	90	42		715	
	3/20/2002	10:45	103	41		510	,,
	3/29/2002	10:00	62	44		472	
	3/29/2002	14:20	60	42		500	,,
	3/29/2002	14:20	62.5	42 44		712	
	3/30/2002						,,
	2/23/22000	10:31	60.5	44.5		724	,,
	3/31/2002					740	
	4/1/2002	16:50	60	43		and the second s	,,
	4/1/2002 4/2/2002	11:40	64	46		664	
	4/1/2002 4/2/2002 4/4/2002	11:40 17:00	64 68	46 41		660	,,
	4/1/2002 4/2/2002	11:40 17:00 11:30	64	46			,,
	4/1/2002 4/2/2002 4/4/2002	11:40 17:00	64 68	46 41		660	"
	4/1/2002 4/2/2002 4/4/2002 4/5/2002	11:40 17:00 11:30	64 68 64	46 41 43.5		660 704	,, ,,
	4/1/2002 4/2/2002 4/4/2002 4/5/2002 4/6/2002 4/7/2002	11:40 17:00 11:30 12:00 11:00	64 68 64 61.5 63.5	46 41 43.5 43.5 45.5		660 704 668 681	"
	4/1/2002 4/2/2002 4/4/2002 4/5/2002 4/6/2002 4/7/2002 4/8/2002	11:40 17:00 11:30 12:00 11:00 12:45	64 68 64 61.5 63.5 66	46 41 43.5 43.5 45.5 44		660 704 668 681 669	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	4/1/2002 4/2/2002 4/4/2002 4/5/2002 4/6/2002 4/7/2002 4/9/2002	11:40 17:00 11:30 12:00 11:00 12:45 8:45	64 68 64 61.5 63.5 66 65.5	46 41 43.5 43.5 45.5 44 45		660 704 668 681 669 787	" " " " " " " " " " " " " " " " " " " "
	4/1/2002 4/2/2002 4/4/2002 4/5/2002 4/6/2002 4/7/2002 4/8/2002 4/9/2002 4/10/2002	11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:30	64 68 64 61.5 63.5 66 65.5 65	46 41 43.5 43.5 45.5 44 45		660 704 668 681 669 787 719	" " " "
	4/1/2002 4/2/2002 4/4/2002 4/5/2002 4/5/2002 4/7/2002 4/8/2002 4/9/2002 4/10/2002 4/11/2002	11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:30 19:35	64 68 64 61.5 63.5 66 65.5 65 NA	46 41 43.5 43.5 45.5 44 45 43 NA		660 704 668 681 669 787 719 NA	
	4/1/2002 4/2/2002 4/4/2002 4/5/2002 4/6/2002 4/7/2002 4/8/2002 4/9/2002 4/10/2002 4/11/2002 4/12/2002	11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:30 19:35 18:37	64 68 64 61.5 63.5 66 65.5 65 NA 41.8	46 41 43.5 43.5 45.5 44 45 43 NA 26		660 704 668 681 669 787 719 NA NA	
	4/1/2002 4/2/2002 4/4/2002 4/5/2002 4/5/2002 4/7/2002 4/8/2002 4/10/2002 4/11/2002 4/11/2002 4/11/2002 4/17/2002	11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:30 19:35 18:37 15:20	64 68 64 61.5 63.5 66 65.5 65 NA 41.8 51.5	46 41 43.5 43.5 45.5 44 45 43 NA 26 19.5		660 704 668 681 669 787 719 NA NA 276	
	4/1/2002 4/2/2002 4/4/2002 4/5/2002 4/6/2002 4/7/2002 4/9/2002 4/10/2002 4/11/2002 4/11/2002 4/12/2002 4/12/2002 4/12/2002	11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:30 19:35 18:37 15:20 15:51	64 68 64 61.5 63.5 66 65.5 65 NA 41.8 51.5	46 41 43.5 43.5 45.5 44 45 43 NA 26 19.5		660 704 668 681 669 787 719 NA NA 276 NA	
	4/1/2002 4/2/2002 4/4/2002 4/5/2002 4/5/2002 4/7/2002 4/8/2002 4/10/2002 4/11/2002 4/11/2002 4/11/2002 4/17/2002	11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:30 19:35 18:37 15:20	64 68 64 61.5 63.5 66 65.5 65 NA 41.8 51.5	46 41 43.5 43.5 45.5 44 45 43 NA 26 19.5		660 704 668 681 669 787 719 NA NA 276	
	4/1/2002 4/2/2002 4/4/2002 4/5/2002 4/6/2002 4/7/2002 4/9/2002 4/10/2002 4/11/2002 4/11/2002 4/12/2002 4/12/2002 4/12/2002	11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:30 19:35 18:37 15:20 15:51	64 68 64 61.5 63.5 66 65.5 65 NA 41.8 51.5	46 41 43.5 43.5 45.5 44 45 43 NA 26 19.5		660 704 668 681 669 787 719 NA NA 276 NA	
	41/2002 4/2/2002 4/4/2002 4/5/2002 4/5/2002 4/7/2002 4/7/2002 4/10/2002 4/11/2002 4/11/2002 4/12/2002 4/12/2002 5/3/2002 5/9/2002	11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:30 19:35 18:37 15:20 15:51 12:48	64 68 64 61.5 63.5 66 65.5 65 NA 41.8 51.5 50.5 31.1 23	46 41 43.5 43.5 45.5 44 45 43 NA 26 19.5 28.5 22 21		660 704 668 681 669 787 719 NA NA 276 NA 281	
	41/2002 4/2/2002 4/4/2002 4/5/2002 4/5/2002 4/7/2002 4/9/2002 4/10/2002 4/11/2002 4/17/2002 4/17/2002 5/3/2002 5/3/2002 5/3/2002 5/3/2002	11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:30 19:35 18:37 15:20 15:51 12:48 19:10	64 68 64 61.5 63.5 66 65.5 65 NA 41.8 51.5 50.5 31.1 23 38.4	46 41 43.5 43.5 45.5 44 45 43 NA 26 19.5 28.5 22 21		660 704 668 681 669 787 719 NA 276 NA 281 362	
	41/2002 4/2/2002 4/4/2002 4/5/2002 4/6/2002 4/7/2002 4/9/2002 4/10/2002 4/11/2002 4/11/2002 4/11/2002 4/12/2002 5/3/2002 5/3/2002 5/3/2002 5/3/2002	11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:30 19:35 18:37 15:20 15:51 12:48 19:10 16:20 8:35	64 68 64 61.5 63.5 66 65.5 63 NA 41.8 51.5 50.5 31.1 23 38.4 25.2	46 41 43.5 43.5 45.5 44 45 43 NA 26 19.5 28.5 22 21 29		660 704 668 681 669 787 719 NA NA 276 NA 281 362 * 39	
	4/1/2002 4/2/2002 4/4/2002 4/5/2002 4/6/2002 4/7/2002 4/9/2002 4/10/2002 4/11/2002 4/11/2002 4/11/2002 4/12/2002 5/3/2002 5/3/2002 5/3/2002 5/3/2002 5/3/2002 5/3/2002 5/3/2002 5/3/2002 5/3/2002 5/3/2002 5/3/2002	11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:30 19:35 18:37 15:20 15:51 12:48 19:10 16:20 8:35 10:17	64 68 64 61.5 63.5 66 65.5 65 NA 41.8 51.5 50.5 31.1 23 38.4 25.2 40.9	46 41 43.5 43.5 45.5 44 45 43 NA 26 19.5 28.5 22 21 29 30		660 704 668 681 669 787 719 NA NA 276 NA 281 362 * 39 * 20 * 25	
	41/2002 4/2/2002 4/4/2002 4/5/2002 4/6/2002 4/7/2002 4/9/2002 4/10/2002 4/11/2002 4/11/2002 4/11/2002 4/12/2002 5/3/2002 5/3/2002 5/3/2002 5/3/2002	11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:30 19:35 18:37 15:20 15:51 12:48 19:10 16:20 8:35	64 68 64 61.5 63.5 66 65.5 63 NA 41.8 51.5 50.5 31.1 23 38.4 25.2	46 41 43.5 43.5 45.5 44 45 43 NA 26 19.5 28.5 22 21 29		660 704 668 681 669 787 719 NA NA 276 NA 281 362 * 39	

	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	FID (ppmv)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-9	11/27/2001	13:00	38	30		2,550	Well Closed 11/28/01-1/2/
	1/3/2002	15:00	75	19		390	Well Opened
	1/10/2002	15:00	NA	3.2		NA	Well Closed
	1/18/2002	18:00	NA	4.8		NA	
	1/24/2002	15:10	NA	4.2		NA	"
	1/31/2002	15:48	24	29		1,970	Well Opened
	2/1/2002	10:00	17	21		1,100	 *
	2/6/2002	13:00	14	17		750	,,
	2/15/2002	11:00	14	20		795	"
	2/27/2002	10:30	98	60		355	,,
	3/6/2002	9:00	94	56		350	,,
	3/13/2002	14:35	91	56		305	"
	3/20/2002	10:45	93	58		243	"
	3/29/2002	10:00	77	50		241	"
	3/29/2002	14:20	52.5	44		334	"
	3/30/2002	10:58	51	45		532	"
	3/31/2002	10:31	53	45		1,325	"
	4/1/2002	16:50	52	45		610	"
	4/2/2002	11:40	56	48		542	"
	4/4/2002	17:00	60	44		568	"
	4/5/2002	11:30	57.5	45.5		479	
	4/6/2002	12:00	57	46		546	"
	4/7/2002	11:00	56	47		506	"
	4/8/2002	12:45	56.5	47		497	"
	4/9/2002	8:45	55	47		472	
	4/10/2002	14:30	57	46		530	
	4/11/2002	19:35	NA	NA		NA	
	4/12/2002	18:37	49.3	44		NA	
	4/17/2002	15:20	52.5	38		283	
	4/23/2002	15:51	47.1	44.5		NA	
	5/3/2002	12:48	54	34		239	,,
	5/9/2002	19:10	43	40		300	,,
	5/23/2002	16:20	47.3	44		* 25	,,
	6/13/2002	8:35	47.8	46		* 23	,,
	6/20/2002	10:17	45.4	47		* 20	,,
	6/27/2002	12:34	49.7	45		* 19	,,
	7/3/2002	11:00	48	45		112	"
2-VEW-10A	11/27/2001	13:00	20	30		1,400	Well Closed 11/28/01-1/2
2-VEW-10A	11/27/2001 1/3/2002	13:00 15:00	20 20	30 22		1,400 45	Well Closed 11/28/01-1/2 Well Opened
2-VEW-10A							Well Opened
2-VEW-10A	1/3/2002	15:00	20	22		45	Well Opened
2-VEW-10A	1/3/2002 1/10/2002	15:00 15:00	20 NA	22 2.3		45 NA	Well Opened " "
2-VEW-10A	1/3/2002 1/10/2002 1/18/2002	15:00 15:00 18:00	20 NA 33	22 2.3 48		45 NA 2,750 1,890 1,450	Well Opened
2-VEW-10A	1/3/2002 1/10/2002 1/18/2002 1/24/2002	15:00 15:00 18:00 15:10	20 NA 33 45	22 2.3 48 45		45 NA 2,750 1,890	Well Opened " " " "
2-VEW-10A	1/3/2002 1/10/2002 1/18/2002 1/24/2002 1/31/2002	15:00 15:00 18:00 15:10 15:48	20 NA 33 45 18	22 2.3 48 45 28		45 NA 2,750 1,890 1,450	Well Opened
2-VEW-10A	1/3/2002 1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002	15:00 15:00 18:00 15:10 15:48 10:00	20 NA 33 45 18 13	22 2.3 48 45 28 20		45 NA 2,750 1,890 1,450 1,350	Well Opened " " " "
2-VEW-10A	1/3/2002 1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/6/2002	15:00 15:00 18:00 15:10 15:48 10:00 13:00	20 NA 33 45 18 13	22 2.3 48 45 28 20 17		45 NA 2,750 1,890 1,450 1,350 1,250	Well Opened Well Closed Well Opened
2-VEW-10A	1/3/2002 1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/15/2002 3/20/2002 3/29/2002	15:00 15:00 18:00 15:10 15:48 10:00 13:00 11:00 14:00	20 NA 33 45 18 13 11 12.5 NA 13	22 2.3 48 45 28 20 17		45 NA 2,750 1,890 1,450 1,350 1,250 1,085	Well Opened " " " " Well Closed Well Opened "
2-VEW-10A	1/3/2002 1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/6/2002 2/15/2002 3/20/2002	15:00 15:00 18:00 15:10 15:48 10:00 13:00 11:00 14:00	20 NA 33 45 18 13 11 12.5 NA	22 23 48 45 28 20 17 19 57		45 NA 2,750 1,890 1,450 1,350 1,250 1,085 38	Well Opened " " " Well Closed Well Opened " "
2-VEW-16A	1/3/2002 1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/15/2002 3/20/2002 3/29/2002 3/31/2002 3/31/2002	15:00 15:00 18:00 15:10 15:48 10:00 13:00 11:00 14:00 14:20 10:58 10:31	20 NA 33 45 18 13 11 12.5 NA 13 13	22 23 48 45 28 20 17 19 57 22 24 24		45 NA 2,750 1,890 1,450 1,350 1,250 1,085 38 15 23	Well Opened "." "." Well Closed Well Opened "." "."
-VEW-10A	1/3/2002 1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/6/2002 2/15/2002 3/29/2002 3/30/2002 3/30/2002	15:00 15:00 18:00 15:10 15:48 10:00 13:00 11:00 14:00 14:20 10:58	20 NA 33 45 18 13 11 12.5 NA 13	22 2.3 48 45 28 20 17 19 57 22		45 NA 2,750 1,890 1,450 1,350 1,250 1,085 38 15	Well Opened Well Closed Well Opened
-VEW-10A	1/3/2002 1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/15/2002 3/20/2002 3/29/2002 3/31/2002 3/31/2002	15:00 15:00 18:00 15:10 15:48 10:00 13:00 11:00 14:00 14:20 10:58 10:31	20 NA 33 45 18 13 11 12.5 NA 13 13	22 23 48 45 28 20 17 19 57 22 24 24		45 NA 2,750 1,890 1,450 1,350 1,250 1,085 38 15 23	Well Opened " " " Well Closed Well Opened " " " " "
-VEW-10A	1/3/2002 1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/6/2002 2/15/2002 3/20/2002 3/30/2002 3/31/2002 4/1/2002	15:00 15:00 18:00 15:10 15:48 10:00 13:00 14:00 14:20 16:58 10:31 16:50	20 NA 33 45 18 13 11 12.5 NA 13 13 13	22 2.3 48 45 28 20 17 19 57 22 24 24		45 NA 2,750 1,890 1,450 1,350 1,250 1,085 38 15 23 30	Well Opened " " " Well Closed Well Opened " " " " "
-VEW-10A	1/3/2002 1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/15/2002 3/20/2002 3/30/2002 3/31/2002 4/1/2002 4/2/2002	15:00 15:00 18:00 15:10 15:48 10:00 13:00 11:00 14:20 10:58 10:31 16:50 11:40	20 NA 33 45 18 13 11 12.5 NA 13 13 13 10	22 23 48 45 28 20 17 19 57 22 24 24 24 23		45 NA 2,750 1,890 1,450 1,350 1,250 1,085 38 15 23 30 49	Well Opened Well Closed Well Opened
-VEW-10A	1/3/2002 1/18/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/1/2002 3/29/2002 3/39/2002 3/31/2002 4/1/2002 4/4/2002	15:00 15:00 18:00 15:10 15:48 10:00 13:00 11:00 14:00 14:20 10:58 10:31 16:50 11:40 17:00	20 NA 33 45 18 13 11 12.5 NA 13 13 13 13,6 10 9,8	22 23 48 45 28 20 17 19 57 52 24 24 24 24 23 18		45 NA 2,750 1,890 1,450 1,350 1,250 1,085 38 15 23 30 49 60 82	Well Opened "" "" Well Closed Well Opened "" "" "" "" "" ""
-VEW-10A	1/3/2002 1/16/2002 1/3/2002 1/3/2002 1/3/2002 2/1/2002 2/1/2002 3/20/2002 3/30/2002 3/31/2002 4/1/2002 4/2/2002 4/5/2002	15:00 15:00 18:00 15:10 15:48 10:00 11:00 14:00 14:20 10:58 10:31 16:50 11:40 17:00	20 NA 33 45 18 13 11 12.5 NA 13 13 13 10 9.8 11.9	22 23 48 45 28 20 17 19 57 22 24 24 24 23 18 21		45 NA 2,750 1,890 1,450 1,350 1,250 1,085 38 15 23 30 49 60 82 50	Well Opened "" "" Well Closed Well Opened "" "" "" "" "" "" "" "" "" "" "" "" ""
-VEW-10A	1/3/2002 1/16/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/15/2002 2/3/2002 3/30/2002 3/31/2002 4/1/2002 4/2/2002 4/4/2002 4/5/2002	15:00 15:00 18:00 15:10 15:48 10:00 13:00 14:20 14:20 10:58 10:31 16:50 11:40 17:00 11:30	20 NA 33 45 18 13 11 12.5 NA 13 13 13,6 10 9.8 11.9	22 23 48 45 28 20 17 19 57 22 24 24 24 23 18 21		45 NA 2,750 1,890 1,450 1,350 1,250 1,085 38 15 23 30 49 60 82 50	Well Opened Well Closed Well Opened
2-VEW-10A	1/3/2002 1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/6/2002 3/20/2002 3/30/2002 3/30/2002 4/1/2002 4/2/2002 4/5/2002 4/6/2002 4/6/2002	15:00 15:00 18:00 15:10 15:48 10:00 13:00 14:00 14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:00	20 NA 33 45 18 13 11 12.5 NA 13 13 13.6 10 9.8 11.9 10.5	22 23 48 45 28 20 17 19 57 22 24 24 24 23 18 21 21.5		45 NA 2,750 1,890 1,450 1,350 1,250 1,085 38 15 23 30 49 60 82 50 56 57	Well Opened "" "" Well Closed Well Opened "" "" "" "" "" "" "" "" "" "" "" "" ""
-VEW-10A	1/3/2002 1/16/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/5/2002 3/20/2002 3/20/2002 3/31/2002 4/1/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002	15:00 15:00 15:00 15:10 15:148 10:00 13:00 14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:00 11:00	20 NA 33 45 18 13 11 12.5 NA 13 13 13,6 10 9,8 11,9 10.5 10.9	22 23 48 45 28 20 17 19 57 22 24 24 23 18 21 21.5 22		45 NA 2,750 1,890 1,450 1,350 1,250 1,085 38 15 23 30 49 60 82 50 56	Well Opened "" Well Closed Well Opened "" "" "" "" "" "" "" "" ""
VEW-10A	1/3/2002 1/16/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/1/2002 2/1/2002 3/29/2002 3/30/2002 3/31/2002 4/1/2002 4/2/2002 4/4/2002 4/4/2002 4/8/2002 4/8/2002 4/8/2002 4/8/2002 4/8/2002 4/8/2002 4/8/2002 4/8/2002 4/8/2002	15:00 15:00 18:00 18:10 15:14 10:00 13:00 14:00 14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:00 11:30 12:05 11:40 11:30 12:05	20 NA 33 45 18 13 11 12.5 NA 13 13 13,6 10 9.8 11.9 10.5 10.9 10.9	22 23 48 45 28 20 17 19 57 22 24 24 23 18 21,5 22,2 22 22		45 NA 2,750 1,890 1,450 1,350 1,250 1,085 38 15 23 30 49 60 82 50 56 57 147 74 65	Well Opened "" "" Well Closed Well Opened "" "" "" "" "" "" "" "" "" "" "" "" ""
VEW-10A	1/3/2002 1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/6/2002 3/29/2002 3/30/2002 3/31/2002 4/1/2002 4/2/2002 4/5/2002 4/6/2002 4/7/2002 4/8/2002 4/8/2002 4/8/2002 4/8/2002	15:00 15:00 18:00 15:10 15:148 10:00 13:00 14:00 14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:45 8:45	20 NA 33 45 18 13 11 12.5 NA 13 13 13 13.6 10 9.8 11.9 10.5 10.9 10.5	22 23 48 45 28 20 17 19 57 22 24 24 24 23 18 21 21,5 22 22 22		45 NA 2,750 1,890 1,450 1,350 1,250 1,085 38 15 23 30 49 60 82 50 56 57	Well Opened "" Well Closed Well Opened "" "" "" "" "" "" "" "" ""
VEW-10A	1/3/2002 1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/15/2002 3/30/2002 3/31/2002 4/1/2002 4/2/2002	15:00 15:00 18:00 15:10 15:48 10:00 11:00 11:00 14:20 10:58 10:31 16:50 11:40 17:00 11:00 12:00 11:00 12:00 11:00 12:01 13:01 14:01	20 NA 33 45 18 13 11 12.5 NA 13 13 13 13,6 10 9.8 11.9 10.5 10.9 10.5 10.9	22 23 48 45 28 20 17 19 57 52 24 24 24 23 18 21 21.5 22 22 22 21 22 NA		45 NA 2,750 1,890 1,450 1,350 1,250 1,085 38 15 23 30 49 60 82 50 56 57 147 74 65 NA	Well Opened "" "" Well Closed Well Opened "" "" "" "" "" "" "" "" "" "" "" "" ""
-VEW-10A	1/3/2002 1/18/2002 1/18/2002 1/18/2002 1/24/2002 1/24/2002 2/15/2002 2/15/2002 2/15/2002 3/20/2002 3/30/2002 3/31/2002 4/1/2002 4/1/2002 4/16/2002	15:00 15:00 18:00 15:10 15:18 10:00 11:00 14:20 10:58 10:31 16:59 11:40 17:00 11:20 11:20 11:20 11:20 11:20 11:23 18:45 18:35 18:37 18:37	20 NA 33 45 18 13 11 12.5 NA 13 13 13.6 10 9.8 11.9 10.5 10.9 10.5 12.4 NA 11.8 11.9	22 23 48 45 28 20 17 19 57 22 24 24 24 23 18 21 21,5 22 22 21 22 NA 21 16		45 NA 2,750 1,890 1,450 1,350 1,250 1,085 38 15 23 30 49 60 82 50 56 57 147 74 65 NA NA	Well Opened "" "" Well Closed Well Opened "" "" "" "" "" "" "" "" "" "" "" "" ""
VEW-10A	113/2002 1118/2002 1118/2002 1124/2002 1124/2002 1131/2002 21/2002 215/2002 3/29/2002 3/30/2002 3/31/2002 4/1/2002	15:00 15:00 18:00 15:10 15:48 10:00 13:00 14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:00 11:30 12:00 11:30 12:01 13:01 14:30	20 NA 33 45 18 13 11 12.5 NA 13 13 13 13.6 10 9.8 11.9 10.5 10.9 10.5 12.4 NA 11.8 11.9 10.5	22 23 48 45 28 20 17 19 57 22 24 24 24 23 18 21 21,5 22 22 22 21 22 NA 21 16 23,5		45 NA 2,750 1,890 1,450 1,350 1,250 1,085 38 15 23 30 49 60 82 50 56 57 147 74 65 NA NA	Well Opened "" "" Well Closed Well Opened "" "" "" "" "" "" "" "" "" "" "" "" ""
-VEW-10A	1/3/2002 1/10/2002 1/10/2002 1/3/2002 1/3/2002 2/1/2002 2/1/2002 2/1/2002 3/20/2002 3/20/2002 3/30/2002 3/31/2002 4/1/2002 4/1/2002 4/5/2002 4/5/2002 4/5/2002 4/1/2002	15:00 15:00 18:00 18:10 15:14 10:00 13:00 14:00 14:20 10:58 10:31 16:50 11:40 17:00 12:00 11:30 12:00 12:45 8:45 14:30 19:35 1	20 NA 33 45 18 13 11 12.5 NA 13 13 13 13.6 10 9.8 11.9 10.5 10.9 10.9 10.5 12.4 NA 11.8 11.9 10.5 11.4	22 23 48 45 28 20 17 19 57 22 24 24 23 18 21,5 22 22 22 22 21 22 NA 21 16		45 NA 2,750 1,890 1,450 1,350 1,255 1,085 38 15 23 30 49 60 82 50 56 57 147 74 65 NA NA 68 NA	Well Opened "" "" Well Closed Well Opened "" "" "" "" "" "" "" "" "" "" "" "" ""
VEW-10A	113/2002 1118/2002 1118/2002 1124/2002 1124/2002 1131/2002 21/2002 215/2002 3/29/2002 3/30/2002 3/31/2002 4/1/2002	15:00 15:00 18:00 18:10 18:48 10:00 13:00 11:00 14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:00 11:00	20 NA 33 45 18 13 11 12.5 NA 13 13 13 13.6 10 9.8 11.9 10.5 10.9 10.5 12.4 NA 11.8 11.9 10.5	22 23 48 45 28 20 17 19 57 52 24 24 24 24 23 18 21 21.5 22 22 21 22 21 22 16 23 16		45 NA 2,750 1,890 1,450 1,350 1,250 1,085 38 15 23 30 49 60 82 50 56 57 147 74 65 NA NA 68 NA NA	Well Opened Well Closed Well Opened
VEW-10A	1/3/2002 1/18/2002 1/18/2002 1/18/2002 1/24/2000 1/31/2002 2/15/2002 2/15/2002 3/30/2002 3/31/2002 4/1/2002	15:00 15:00 18:00 18:10 15:14 10:00 13:00 14:00 14:20 10:58 10:31 16:50 11:40 17:00 12:00 11:30 12:00 12:45 8:45 14:30 19:35 1	20 NA 33 45 18 13 11 12.5 NA 13 13 13 13.6 10 9.8 11.9 10.5 10.9 10.5 12.4 NA 11.8 11.9 10.5 11.9	22 23 48 45 28 20 17 19 57 22 24 24 23 18 21,5 22 22 22 22 21 22 NA 21 16		45 NA 2,750 1,890 1,450 1,350 1,255 1,085 38 15 23 30 49 60 82 50 56 57 147 74 65 NA NA 68 NA	Well Opened "" "" Well Closed Well Opened "" "" "" "" "" "" "" "" "" "" "" "" ""
-VEW-10A	1/3/2002 1/10/2002 1/10/2002 1/13/2002 1/24/2002 1/31/2002 2/12002 2/15/2002 3/20/2002 3/30/2002 3/30/2002 3/31/2002 4/12/2002 4/12/2002 4/4/2002 4/4/2002 4/4/2002 4/17/2002 4/10/2002 4/10/2002 4/10/2002 4/10/2002 4/10/2002 4/10/2002 4/10/2002 4/10/2002 4/10/2002 4/10/2002 4/10/2002 4/10/2002 5/3/2002 5/3/2002 5/3/2002 5/3/2002 5/3/2002 5/3/2002	15:00 15:00 18:00 15:10 15:48 10:00 13:00 14:20 10:58 10:31 16:50 11:40 17:00 11:00 12:00 11:00 12:45 8:45 14:30 19:33 18:37 15:20 15:21 15:22 15:21 16:20	20 NA 33 45 18 13 11 12.5 NA 13 13 13.6 10 9.8 11.9 10.5 10.9 10.5 12.4 NA NA NA 11.8 11.8 11.9 10.5	22 23 48 45 28 20 17 19 57 22 24 24 24 23 18 21 21.5 22 22 21 22 NA 21 16 23.5 16		45 NA 2,750 1,890 1,450 1,350 1,250 1,085 38 15 23 30 49 60 82 50 56 57 147 74 65 NA NA 68 NA 49 NA	Well Opened "" "" Well Closed Well Opened "" "" "" "" "" "" "" "" "" "" "" "" ""
-VEW-10A	1/3/2002 1/18/2002 1/18/2002 1/18/2002 1/24/2002 1/31/2002 2/15/2002 2/15/2002 3/30/2002 3/30/2002 3/31/2002 4/1/2002 4/12/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/5/2002 4/10/2002	15:00 15:00 18:00 15:10 15:48 10:00 11:00 11:00 11:00 14:20 10:58 10:31 16:50 11:40 17:00 11:00 12:00 11:00 12:00 11:00 12:00 11:00 12:00 13:35 18:37 18:37 18:37 18:37 18:37 18:37 18:37 18:37 18:37 18:37 18:37 18:37 18:38 18:37 18:38 18:37 18:38 18:37 18:38	20 NA 33 45 18 13 11 12.5 NA 13 13 13 13 10 9.8 11.9 10.5 10.9 10.5 12.4 NA 11.8 11.9 10.5 11.9 10.5 12.4 NA 11.8 11.9 11.5 12.4 13.6 14.7 15.7 16.7 17.7 17.8 1	22 23 48 45 28 20 17 19 57 52 24 24 24 23 18 21 21.5 22 22 21 22 NA 21 16 23.5 16		45 NA 2,750 1,890 1,450 1,350 1,250 1,085 38 15 23 30 49 60 82 50 56 57 147 74 65 NA NA NA 68 NA 49 NA * 6.4 * 10	Well Opened "" "" Well Closed Well Opened "" "" "" "" "" "" "" "" "" "" "" "" ""

	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	FID (ppmv)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-10B	11/27/2001	13:00	45	30		1,620	Well Closed 11/28/01-1/2/
	1/3/2002	15:00	32	18		700	Well Opened
	1/10/2002	15:00	NA	4.2		NA	Well Closed
	1/18/2002	18:00	NA	4.4		NA	,,
	1/24/2002	15:10	NA	4		NA	
	1/31/2002	15:48	26	28		6,000	Well Opened
	2/1/2002	10:00	15	21		3,710	,,
	2/6/2002	13:00	11	17		3,000	,,
	2/15/2002	11:00	14	19		2,580	,,
	2/27/2002	10:30	43	37		1,400	,,
	3/6/2002	9:00	39	35		1,080	,,
	3/13/2002	14:35	39	32		788	"
	3/20/2002	10:45	49	29		690	"
	3/29/2002	10:00	36	29		488	"
	3/29/2002	14:20	15	25		350	"
	3/30/2002	10:58	15	27		533	"
	3/31/2002	10:31	16	28		670	"
	4/1/2002	16:50	15	28		690	"
	4/2/2002	11:40	11	27		287	"
	4/4/2002	17:00	10.9	21.5		297	"
	4/5/2002	11:30	12.1	26.5		364	"
	4/6/2002	12:00	10.6	26		362	
	4/7/2002	11:00	12.1	27		324	
	4/8/2002	12:45	11	28		327	
	4/9/2002	8:45	11.1	26		383	
	4/10/2002	14:30	12.6	26		370	,,
	4/11/2002	19:35	NA	NA		NA	,,
	4/12/2002	18:37	52.5	26.5		NA NA	,,
	4/17/2002	15:20	65.5	39		780	,,
	4/23/2002	15:51	67.5	47		NA	,,
	5/3/2002	12:48	74	37		447	,,
	5/9/2002	19:10	63	40		345	,,
							,,
	5/23/2002	16:20	69	44		* 36	,,
	6/13/2002	8:35	69.5	45		* 42 * 35	,,
	6/20/2002	10:17	65	46 44		* 35 * 27	,,
	6/27/2002 7/3/2002	12:34	70.5	44		148	"
	1/3/2002	11:00	65	44			
N 177 W 44 A							TT 11 CT 111 DOING 110
2-VEW-11A	11/27/2001	13:00	27	25		1,700	
2-VEW-11A	11/27/2001 1/3/2002	13:00 15:00	27 20	25 21		1,700 110	Well Closed 11/28/01-1/2 Well Opened
2-VEW-11A	11/27/2001 1/3/2002 1/10/2002	13:00 15:00 15:00	27 20 NA	25 21 22		1,700 110 725	Well Opened
2-VEW-11A	11/27/2001 1/3/2002 1/10/2002 1/18/2002	13:00 15:00 15:00 18:00	27 20 NA 52	25 21 22 47		1,700 110 725 620	Well Opened
2-VEW-11A	11/27/2001 1/3/2002 1/10/2002 1/18/2002 1/24/2002	13:00 15:00 15:00 18:00 15:10	27 20 NA 52 79	25 21 22 47 43		1,700 110 725 620 350	Well Opened " " "
2-VEW-11A	11/27/2001 1/3/2002 1/10/2002 1/18/2002 1/24/2002 1/31/2002	13:00 15:00 15:00 18:00 15:10 15:48	27 20 NA 52 79 39	25 21 22 47 43 29		1,700 110 725 620 350 280	Well Opened
2-VEW-11A	11/27/2001 1/3/2002 1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002	13:00 15:00 15:00 18:00 15:10 15:48 10:00	27 20 NA 52 79 39 28	25 21 22 47 43 29 20		1,700 110 725 620 350 280 175	Well Opened " " " " " "
2-VEW-11A	11/27/2001 1/3/2002 1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/6/2002	13:00 15:00 15:00 18:00 15:10 15:48 10:00 13:00	27 20 NA 52 79 39 28 24	25 21 22 47 43 29 20 16		1,700 110 725 620 350 280 175 100	Well Opened " " " " "
2-VEW-11A	11/27/2001 1/3/2002 1/10/2002 1/18/2002 1/24/2002 1/31/2002 29/2002 2/15/2002	13:00 15:00 15:00 18:00 15:10 15:48 10:00 13:00 11:00	27 20 NA 52 79 39 28 24 27	25 21 22 47 43 29 20 16		1,700 110 725 620 350 280 175 100	Well Opened " " " " " "
2-VEW-11A	11/27/2001 1/3/2002 1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/6/2002 2/15/2002 3/20/2002	13:00 15:00 15:00 18:00 15:10 15:48 10:00 13:00 11:00 14:00	27 20 NA 52 79 39 28 24 27 NA	25 21 22 47 43 29 20 16 19		1,700 110 725 620 350 280 175 100 90	Well Closed
2-VEW-11A	11/27/2001 1/3/2002 1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/15/2002 3/20/2002 3/29/2002	13:00 15:00 15:00 18:00 15:10 15:48 10:00 13:00 11:00 14:20	27 20 NA 52 79 39 28 24 27 NA 24	25 21 22 47 43 29 20 16 19 46 8		1,700 110 725 620 350 280 175 100 90 20 NA	Well Opened "" "" "" Well Closed ""
2-VEW-11A	11/27/2001 1/3/2002 1/10/2002 1/10/2002 1/3/2002 1/31/2002 2/1/2002 2/6/2002 3/20/2002 3/30/2002 3/30/2002	13:00 15:00 15:00 18:00 15:10 15:48 10:00 13:00 11:00 14:20 10:58	27 20 NA 52 79 39 28 24 27 NA 24	25 21 22 47 43 29 20 16 19 46 8		1,700 110 725 620 350 280 175 100 90 20 NA	Well Opened " " " " " Well Closed "
-VEW-11A	11/27/2001 1/3/2002 1/10/2002 1/18/2002 1/18/2002 1/31/2002 2/1/2002 2/15/2002 3/20/2002 3/30/2002 3/31/2002 3/31/2002	13:00 15:00 15:00 18:00 15:10 15:48 10:00 13:00 14:00 14:20 10:58 10:58	27 20 NA 52 79 39 28 24 27 NA 24 1	25 21 22 47 43 29 20 16 19 46 8		1,700 110 725 620 350 280 175 100 90 20 NA NA	Well Opened "" "" "" "Well Closed "" ""
₹VEW-11A	11/27/2001 1/3/2002 1/16/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/15/2002 3/26/2002 3/26/2002 3/26/2002 3/26/2002 3/26/2002 3/26/2002 3/26/2002 3/26/2002 3/26/2002 3/26/2002 3/26/2002 3/26/2002 3/26/2002	13:00 15:00 15:00 15:00 15:10 15:48 10:00 11:00 11:00 14:20 10:58 10:31	27 20 NA 52 79 39 28 24 27 NA 24 1 0.4 NA	25 21 22 47 43 29 20 16 19 46 8 9		1,700 110 725 620 350 280 175 100 90 20 NA NA	Well Opened "" "" "" Well Closed "" "" "" "" "" "" "" "" "" ""
-VEW-11A	11/27/2001 1/3/2002 1/10/2002 1/18/2002 1/31/2002 2/1/2002 2/1/2002 2/5/2002 3/20/2002 3/30/2002 3/31/2002 4/1/2002 4/2/2002	13:00 15:00 15:00 15:00 15:10 15:148 10:00 13:00 14:00 14:20 10:58 10:31 16:50	27 20 NA 52 79 39 28 24 27 NA 24 1 0.4 NA	25 21 22 47 43 29 20 16 19 46 8 9 10 9		1,700 110 725 620 350 280 175 100 90 20 NA NA NA	Well Opened "" "" "" Well Closed "" "" "" "" "" "" "" "" "" ""
-VEW-11A	11/27/2001 1/3/2002 1/10/2002 1/18/2002 1/18/2002 1/24/2002 2/1/2002 2/15/2002 3/29/2002 3/29/2002 3/30/2002 4/1/2002 4/1/2002 4/1/2002	13:00 15:00 15:00 18:00 15:10 15:48 10:00 13:00 11:00 14:20 16:58 10:31 16:50 11:40	27 20 NA 52 79 39 28 24 27 NA 24 1 0.4 NA	25 21 22 47 43 29 20 16 19 46 8 9 10 9		1,700 110 725 620 350 280 175 100 90 20 NA NA NA NA	Well Opened "" "" "" "Well Closed "" "" "" ""
2-VEW-11A	11/27/2001 1/3/2002 1/10/2002 1/18/2002 1/18/2002 1/24/2002 2/1/2002 2/16/2002 2/16/2002 3/20/2002 3/20/2002 3/30/2002 4/1/2002 4/1/2002 4/1/2002	13:00 15:00 15:00 15:10 15:10 15:148 10:00 13:00 14:00 14:20 10:58 10:31 16:50 11:40 17:00	27 20 NA 52 79 39 28 24 27 NA 24 1 0.4 NA NA	25 21 22 47 43 29 20 16 19 46 8 9 10 9		1,700 110 725 620 350 280 175 100 90 20 NA NA NA NA NA	Well Opened "" "" "" Well Closed "" "" "" "" "" "" "" ""
-VEW-11A	11/27/2001 13/2002 11/07/2002 11/07/2002 11/07/2002 11/07/2002 21/17/2002 21/07/2002 3/20/2002 3/20/2002 3/31/2002 41/2/2002 44/2/2002 44/2/2002	13:00 15:00 15:00 18:00 15:10 15:10 15:48 10:00 11:00 14:20 10:58 10:31 16:50 11:40 17:00 11:30	27 20 NA 52 79 39 28 24 27 NA 24 1 0.4 NA NA NA	25 21 22 47 43 29 20 16 19 46 8 9 10 9		1,700 110 725 620 350 280 175 100 90 20 NA NA NA NA NA NA NA	Well Opened "" " " " Well Closed " " " " " "
-VEW-11A	11/27/2001 1/3/2002 1/16/2002 1/18/2002 1/24/2002 1/31/2002 2/16/2002 2/15/2002 3/29/2002 3/31/2002 4/1/2002 4/5/2002 4/5/2002 4/7/2002	13:00 15:00 18:00 18:00 15:14 10:00 13:00 14:20 10:58 10:31 16:50 11:40 17:00 11:30 11:30 11:00	27 20 NA 52 79 39 28 24 27 NA 24 1 0.4 NA NA NA	25 21 22 47 43 29 20 16 19 46 8 9 10 9 10 7		1,700 110 725 620 350 280 175 100 90 20 NA NA NA NA NA NA NA	Well Opened "" "" "" Well Closed "" "" "" "" "" "" "" "" "" ""
2-VEW-11A	11/27/2001 1/3/2002 1/10/2002 1/18/2002 1/18/2002 1/31/2002 2/16/2002 2/15/2002 3/20/2002 3/30/2002 3/30/2002 3/31/2002 4/1/2002 4/1/2002 4/6/2002 4/6/2002 4/6/2002	13:00 15:00 15:00 18:00 15:10 15:10 15:48 10:00 14:20 14:20 14:20 10:31 16:30 11:40 17:70 11:30 12:00 11:30	27 20 NA 52 79 39 28 24 27 NA 24 1 0.4 NA NA NA NA	25 21 22 47 43 29 20 16 19 46 8 9 10 9 10 7 7 9 9,5		1,700 110 725 620 350 280 175 100 90 20 NA	Well Opened "" " " Well Closed " " " " " " " " " " " " " " " " " " "
2-VEW-11A	11/27/2001 13/2002 1/10/2002 1/18/2002 1/18/2002 1/18/2002 2/1/2002 2/1/2002 2/15/2002 3/29/2002 3/30/2002 3/31/2002 4/1/2002 4/2/2002 4/6/2002 4/6/2002 4/7/2002 4/6/2002 4/7/2002	13:00 15:00 18:00 18:00 15:148 10:00 11:00 14:20 10:58 10:31 16:50 11:40 11:30 12:00 11:00 11:00 11:00 11:00	27 20 NA 52 79 39 28 24 27 NA 24 1 0.4 NA NA NA NA	25 21 22 47 43 29 20 16 19 46 8 9 10 9 10 7 7 9 9 9,5		1,700 110 725 620 350 280 175 100 90 20 NA	Well Opened "" "" "" "" "" "" "" "" "" "" "" "" ""
2-VEW-11A	11/27/2001 13/2002 17/07/2002 17/07/2002 17/07/2002 17/07/2002 17/07/2002 20/07/2002 20/07/2002 20/07/2002 20/07/2002 20/07/2002 20/07/2002 20/07/2002 40/07/2002 40/07/2002 40/07/2002 40/07/2002 40/07/2002 40/07/2002 40/07/2002 40/07/2002 40/07/2002 40/07/2002 40/07/2002 40/07/2002 40/07/2002 40/07/2002 40/07/2002	13:00 15:00 18:00 18:00 15:48 10:00 14:00 14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:00 11:40 11:30 12:00 11:40	27 20 NA 52 79 39 28 24 27 NA 24 1 0.4 NA NA NA NA NA	25 21 22 47 43 29 20 16 19 46 8 9 10 7 9 9 9 10 7 9 9 9 10		1,700 110 725 620 350 280 175 100 90 20 NA	Well Opened "" "" "" "" "" "" "" "" "" "" "" "" ""
2-VEW-11A	11/27/2001 11/2002 11/3/2002 11/3/2002 11/3/2002 11/3/2002 1/3/2002 21/5/2002 21/5/2002 3/20/2002 3/20/2002 3/30/2002 3/30/2002 3/31/2002 41/2002 44/2002	13:00 15:00 18:00 18:00 15:10 18:00 15:10 13:00 11:00 14:20 10:58 10:31 10:59 11:40 17:00 11:20	27 20 NA 52 79 39 28 24 27 NA 24 1 0.4 NA NA NA NA NA NA	25 21 22 47 43 29 20 16 19 46 8 9 10 9 10 7 9 9,5 10		1,700 110 725 620 350 280 175 100 90 20 NA	Well Opened "" " " " Well Closed " " " " " " " " " " " " " " " " " " "
2-VEW-11A	11/27/2001 13/2002 17/07/2002 17/07/2002 17/07/2002 17/07/2002 17/07/2002 20/07/2002 20/07/2002 20/07/2002 20/07/2002 20/07/2002 20/07/2002 20/07/2002 40/07/2002 40/07/2002 40/07/2002 40/07/2002 40/07/2002 40/07/2002 40/07/2002 40/07/2002 40/07/2002 40/07/2002 40/07/2002 40/07/2002 40/07/2002 40/07/2002 40/07/2002	13:00 15:00 18:00 18:00 15:48 10:00 14:00 14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:00 11:40 11:30 12:00 11:40	27 20 NA 52 79 39 28 24 27 NA 24 1 0.4 NA NA NA NA NA	25 21 22 47 43 29 20 16 19 46 8 9 10 7 9 9 9 10 7 9 9 9 10		1,700 110 725 620 350 280 175 100 90 20 NA	Well Opened "" "" "" "" "" "" "" "" "" "" "" "" ""
2-VEW-11A	11/27/2001 11/2002 11/3/2002 11/3/2002 11/3/2002 11/3/2002 1/3/2002 21/5/2002 21/5/2002 3/20/2002 3/20/2002 3/30/2002 3/30/2002 3/31/2002 41/2002 44/2002	13:00 15:00 18:00 18:00 15:10 18:00 15:10 13:00 11:00 14:20 10:58 10:31 10:59 11:40 17:00 11:20	27 20 NA 52 79 39 28 24 27 NA 24 1 0.4 NA NA NA NA NA NA	25 21 22 47 43 29 20 16 19 46 8 9 10 9 10 7 9 9,5 10		1,700 110 725 620 350 280 175 100 90 20 NA	Well Opened " " " " " " " " " " " " " " " " " "
2-VEW-11A	11/27/2001 11/3/2002 11/8/2002 11/8/2002 11/8/2002 11/8/2002 11/8/2002 21/5/2002 21/5/2002 3/29/2002 3/30/2002 3/30/2002 3/31/2002 41/2/2002 44/2/2002	13:00 15:00 18:00 18:00 18:10 18:14 10:00 13:00 14:20 10:58 10:31 16:50 11:30	27 20 NA 52 79 39 28 24 27 NA 24 1 0.4 NA NA NA NA NA NA	25 21 22 47 43 29 20 16 19 46 8 8 9 10 9 10 7 7 9 9 9.5 10 10 10 NA 8		1,700 110 725 620 350 280 175 100 90 20 NA	Well Opened " " " " " " " " " " " " " " " " " "
2-VEW-11A	11/27/2001 11/3/2002 11/3/2002 11/3/2002 11/3/2002 11/3/2002 11/3/2002 21/2002 21/5/2002 3/20/2002 3/20/2002 3/20/2002 3/20/2002 3/20/2002 3/20/2002 3/20/2002 4/2/2002	13:00 15:00 18:00 18:00 15:10 15:14 10:00 14:20 10:33 16:50 11:40 17:00 11:20 12:45 8:45 14:31 19:35 18:37 18:35 18:37 18:35 18:37 18:35	27 20 NA 52 79 39 28 24 27 NA 24 1 0.4 NA NA NA NA NA NA NA NA NA	25 21 22 47 43 29 20 16 19 46 8 9 10 9 10 7 7 9 9.5 10 10 10 NA 8 5		1,700 110 725 620 350 280 175 100 90 20 NA	Well Closed "" Well Closed "" "" "" "" "" "" "" "" ""
2-VEW-11A	11/27/2001 11/3/2002 11/3/2002 11/3/2002 11/3/2002 11/3/2002 11/3/2002 21/2002 21/5/2002 21/5/2002 3/30/2002 3/30/2002 3/30/2002 41/2002 41/2002 44/2002	13:00 15:00 18:00 18:00 15:10 15:48 10:00 11:00 14:20 10:58 10:31 16:50 11:40 12:00 11:30 12:00 11:00 12:45 14:30 11:30 12:01 13:45 14:30 14:30 14:30 14:31	27 20 NA 52 79 39 28 24 27 NA 24 1 0.4 NA NA NA NA NA NA NA NA NA	25 21 22 47 43 29 20 16 19 46 8 9 10 9 10 7 7 9 9 9,5 10 10 10 10 NA 8 5 5,5		1,700 110 725 620 350 280 175 100 90 20 NA	Well Opened "" "" "" "" "" "" "" "" "" "" "" "" ""
2-VEW-11A	11/27/2001 11/2002 11/3/2002 11/3/2002 11/3/2002 11/3/2002 11/3/2002 21/2002 21/5/2002 3/20/2002 3/20/2002 3/30/2002 3/30/2002 3/31/2002 41/2002	13:00 15:00 18:00 18:00 15:10 18:00 15:10 13:00 11:00 14:20 10:38 10:31 16:50 11:40 17:00 11:20 11:20 11:20 11:30 11:30 11:31 12:00 11:00	27 20 NA 52 79 39 28 24 27 NA 24 1 0.4 NA	25 21 22 47 43 29 20 16 19 46 8 9 10 9 10 7 9 9 9,5 10 10 10 10 NA 8 5 9,5 4		1,700 110 725 620 350 280 175 100 90 20 NA	Well Closed "" Well Closed "" "" "" "" "" "" "" "" ""
2-VEW-11A	11/27/2001 1/3/2002 1/3/2002 1/18/2002 1/18/2002 1/18/2002 1/3/2002 2/15/2002 2/15/2002 3/30/2002 3/31/2002 4/12/2002 4/12/2002 4/12/2002 4/12/2002 4/17/2002	13:00 15:00 18:00 18:00 18:00 18:00 18:01 19:02 18:00	27 20 NA 52 79 39 28 24 27 NA 24 1 0.4 NA	25 21 22 47 43 29 20 16 19 46 8 9 10 7 9 9 9.5 10 10 10 NA 8 5 5 9.5 4 8		1,700 110 725 620 350 280 175 100 90 20 NA	Well Opened " " " " " Well Closed " " " " " " " " " " " " " " " " " " "
2-VEW-11A	11/27/2001 11/3/2002 11/3/2002 11/3/2002 11/3/2002 11/3/2002 21/2002 21/2002 21/2002 21/2002 3/20/2002 3/20/2002 3/20/2002 3/20/2002 41/2002 41/2002 44/2002 44/2002 44/2002 44/2002 44/2002 44/2002 44/2002 44/2002 44/2002 45/2002 47/2002	13:00 15:00 18:00 18:00 18:00 18:10 15:11 15:148 10:00 11:00 14:20 10:33 16:59 11:40 17:00 11:20 11:20 11:20 11:30 12:45 8:45 14:30 19:35 18:37 18:27 18:28 19:10 16:28 8:35	27 20 NA 52 79 39 28 24 27 NA 24 1 0.4 NA	25 21 22 47 43 29 20 16 19 46 8 9 10 9 10 7 9 9,5 10 10 10 NA 8 5 9,5 4 4 8		1,700 110 725 620 350 280 175 100 90 20 NA	Well Closed "" Well Closed "" "" "" "" "" "" "" "" ""
2-VEW-11A	11/27/2001 1/3/2002 1/3/2002 1/18/2002 1/18/2002 1/18/2002 1/3/2002 2/15/2002 2/15/2002 3/30/2002 3/31/2002 4/12/2002 4/12/2002 4/12/2002 4/12/2002 4/17/2002	13:00 15:00 18:00 18:00 18:00 18:00 18:01 19:02 18:00	27 20 NA 52 79 39 28 24 27 NA 24 1 0.4 NA	25 21 22 47 43 29 20 16 19 46 8 9 10 7 9 9 9.5 10 10 10 NA 8 5 5 9.5 4 8		1,700 110 725 620 350 280 175 100 90 20 NA	Well Closed

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	FID (ppmv)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-11B	11/27/2001	13:00	19	30.0		1,040	Initial Startup
- 1211 112	11/28/2001	13:15	NA	27.5		3,100	Well Opened
	11/30/2001	14:20	NA	27.0		NA	*
	12/3/2001	17:10	NA	26.5		NA	
	12/4/2001	10:15	NA	27.5		1,510	"
	12/5/2001	16:30	NA	29.0		3,200	
	12/6/2001	8:30	NA	28.8		3,015	,,
	12/7/2001	7:30	NA	29.0		3,600	
	12/8/2001	16:00	NA	29.0		3,100	
	12/9/2001	13:00	NA	27.0		NA	
	12/10/2001	16:00	NA	28.5		4,700	
	12/11/2001	11:00	NA	30.0		4,100	Well Closed
	12/12/2001	19:15	NA.	2.1		NA.	" Cabaca
	12/13/2001	11:15	NA.	0.9		NA	,,
	12/20/2001	15:10	NA.	1.7		NA	,,
	12/28/2001	11:00	15	22.0		520	Well Opened
	1/3/2002	15:00	15	22.0		520	" operation
	1/10/2002	15:00	NA	4.0		NA	,,
	1/18/2002	18:00	NA NA	4.8		NA NA	"
							"
	1/24/2002	15:10	NA 10	4.5		NA ero	"
	1/31/2002	15:48	12	29.0		850	,,
	2/1/2002	10:00	6	21.0		590	
	2/6/2002	13:00	5	16.0		340	
	2/15/2002	11:00	5.5	19		415	Well Closed
	3/20/2002	14:00	NA	53		303	****
	3/29/2002	14:20	18	39		586	Well Opened
	3/30/2002	10:58	16	41		531	"
	3/31/2002	10:31	17.5	42		1,651	"
	4/1/2002	16:50	17	41		565	"
	4/2/2002	11:40	17	44		515	
	4/4/2002	17:00	19.6	38.5		536	
	4/5/2002	11:30	18.4	42		484	
	4/6/2002	12:00	18.6	42.5		464	
	4/7/2002	11:00	16.5	43.5		461	
	4/8/2002	12:45	18.4	44		474	
	4/9/2002	8:45	17	43		471	"
	4/10/2002	14:30	17	42		463	,,
	4/11/2002	19:35	NA	NA		NA	,,
	4/12/2002	18:37	23.7	47		NA	,,
	4/17/2002	15:20	28.4	41		465	"
	4/23/2002	15:51	19.7	47		NA	n
	5/3/2002	12:48	25.3	36.5		NA	
	5/9/2002	19:10	15	41		383	"
	5/23/2002	16:20	16.6	45		* 41	
	6/13/2002	8:35	15.7	46		* 35	
	6/20/2002	10:17	15.3	47		* 29	
	6/27/2002	12:34	16.7	45		* 28	
	7/3/2002	11:00	16	45		178	"
	11/27/2001		82	30		2,500	Well Closed 11/28/01-1/2
2-VEW-12		13:00					was an an an
2-VEW-12	1/3/2002	15:00	75	19		390	Well Opened
2-VEW-12	1/3/2002 1/10/2002	15:00 15:00	75 NA	3.4		390 NA	Well Closed
2-VEW-12	1/3/2002 1/10/2002 1/18/2002	15:00 15:00 18:00	75 NA NA	3.4 5.5		390 NA NA	
2-VEW-12	1/3/2002 1/10/2002 1/18/2002 1/24/2002	15:00 15:00 18:00 15:10	75 NA NA NA	3.4 5.5 4.8		390 NA NA NA	Well Closed "
2-VEW-12	1/3/2002 1/10/2002 1/18/2002 1/24/2002 1/31/2002	15:00 15:00 18:00 15:10 15:48	75 NA NA NA 75	3.4 5.5 4.8 28		390 NA NA NA 815	Well Closed
2-VEW-12	1/3/2002 1/10/2002 1/18/2002 1/24/2002	15:00 15:00 18:00 15:10	75 NA NA NA 75 49	3.4 5.5 4.8 28 20		390 NA NA NA 815 540	Well Closed "
2-VEW-12	1/3/2002 1/10/2002 1/18/2002 1/24/2002 1/31/2002	15:00 15:00 18:00 15:10 15:48	75 NA NA NA 75	3.4 5.5 4.8 28 20 17		390 NA NA NA 815 540 325	Well Closed Well Opened
2-YEW-12	1/3/2002 1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002	15:00 15:00 18:00 15:10 15:48 10:00	75 NA NA NA 75 49	3.4 5.5 4.8 28 20		390 NA NA NA 815 540	Well Closed "
Z-YEW-12	1/3/2002 1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/6/2002	15:00 15:00 18:00 15:10 15:48 10:00 13:00	75 NA NA NA 75 49 39	3.4 5.5 4.8 28 20 17		390 NA NA NA 815 540 325	Well Closed Well Opened
Z-YEW-12	1/3/2002 1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/6/2002 2/15/2002	15:00 15:00 18:00 15:10 15:48 10:00 13:00 11:00	75 NA NA NA 75 49 39	3.4 5.5 4.8 28 20 17 19		390 NA NA NA 815 540 325 350	Well Closed Well Opened Well Closed
Z-YEW-12	1/3/2002 1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/6/2002 2/15/2002 3/20/2002	15:00 15:00 18:00 15:10 15:48 10:00 13:00 11:00	75 NA NA NA 75 49 39 44 NA	3.4 5.5 4.8 28 20 17 19 40		390 NA NA NA 815 540 325 350 61	Well Closed Well Opened
2-VEW-12	1/3/2002 1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/6/2002 2/15/2002 3/20/2002 3/29/2002	15:00 15:00 18:00 15:10 15:48 10:00 13:00 11:00 14:00	75 NA NA NA 75 49 39 44 NA	3.4 5.5 4.8 28 20 17 19 40 41		390 NA NA NA 815 540 325 350 61 67	Well Closed Well Opened Well Closed
2-VEW-12	1/3/2002 1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/6/2002 2/15/2002 3/20/2002 3/20/2002 3/30/2002	15:00 15:00 18:00 15:10 15:48 10:00 13:00 11:00 14:00 14:20 10:58	75 NA NA NA 75 49 39 44 NA 117	3.4 5.5 4.8 28 20 17 19 40 41 42		390 NA NA NA 815 540 325 350 61 67 92	Well Closed "Well Opened "Well Closed "Well Closed Well Opened "Well Opened
2-VEW-12	1/3/2002 1/16/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/6/2002 2/3/2002 3/29/2002 3/30/2002 3/31/2002 4/1/2002	15:00 15:00 18:00 15:10 15:48 10:00 13:00 14:00 14:20 16:58 10:31 16:50	75 NA NA NA 75 49 39 44 NA 117 120 121	3.4 5.5 4.8 28 20 17 19 40 41 42 43		390 NA NA NA 815 540 325 350 61 67 92 539 154	Well Closed "." Well Opened "." Well Closed Well Opened "."
2-VEW-12	1/3/2002 1/16/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/15/2002 3/20/2002 3/30/2002 3/31/2002 4/1/2002 4/2/2002	15:00 15:00 18:00 15:10 15:48 10:00 13:00 11:00 14:20 10:58 10:31 16:50 11:40	75 NA NA NA 75 49 39 44 NA 117 120 121 121	3.4 5.5 4.8 28 20 17 19 40 41 42 43 43		390 NA NA NA 815 540 325 350 61 67 92 539 154 145	Well Closed " " Well Opened " " Well Closed " Well Closed " Well Opened " "
2-VEW-12	1/3/2002 1/16/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/15/2002 3/20/2002 3/30/2002 3/31/2002 4/1/2002 4/4/2002	15:00 15:00 18:00 15:10 15:48 10:00 11:00 14:00 14:20 10:58 10:31 16:50 11:40 17:00	75 NA NA NA 75 49 39 44 NA 117 120 121 121 121	3.4 5.5 4.8 28 20 17 19 40 41 42 43 43 43		390 NA NA 815 540 325 350 61 67 92 539 154 145 180	Well Closed " " Well Opened " " Well Closed " Well Closed " Well Opened " "
2-vew-12	1/3/2002 1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/15/2002 3/20/2002 3/29/2002 3/31/2002 4/1/2002 4/2/2002 4/4/2002	15:00 15:00 18:00 15:10 15:48 10:00 13:00 14:00 14:20 10:58 10:31 16:50 11:40 17:00	75 NA NA NA 75 49 39 44 NA 117 120 121 121 125 124	3.4 5.5 4.8 28 20 17 19 40 41 42 43 43 45 41 41 42.5		390 NA NA NA 815 540 325 350 61 67 92 539 154 145 180 108	Well Closed Well Opened Well Closed Well Opened " Well Closed " " " " "
2-VEW-12	1/3/2002 1/18/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/15/2002 3/29/2002 3/39/2002 3/31/2002 4/1/2002 4/4/2002 4/4/2002	15:00 15:00 18:00 15:10 15:48 10:00 13:00 14:00 14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:20	75 NA NA NA 75 49 39 44 NA 117 120 121 121 121 125 124 124	3.4 5.5 4.8 28 20 17 19 40 41 42 43 43 45 41 42.5 43.5		390 NA NA 815 540 325 350 61 67 92 539 154 145 180 108	Well Closed " Well Opened " Well Closed Well Opened " " " " "
2-VEW-12	1/3/2002 1/10/2002 1/18/2002 1/24/2002 2/13/2002 2/1/2002 2/15/2002 3/20/2002 3/30/2002 3/31/2002 4/1/2002 4/4/2002 4/6/2002 4/6/2002 4/6/2002	15:00 15:00 18:00 15:10 15:48 10:00 13:00 14:00 14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:20 11:00	75 NA NA NA 75 49 39 44 NA 117 120 121 121 125 124 124 121 125	3.4 5.5 4.8 28 20 17 19 40 41 42 43 43 45 41 42.5 43.5		390 NA NA NA 815 540 325 350 61 67 92 539 154 145 180 108 110	Well Closed " Well Opened " " Well Closed " Well Opened " " " " "
2-VEW-12	1/3/2002 1/18/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/15/2002 2/15/2002 3/30/2002 3/31/2002 4/1/2002 4/1/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002	15:00 15:00 18:00 15:10 15:48 10:00 14:00 14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:00 11:00	75 NA NA NA NA 75 49 39 44 NA 117 120 121 121 125 124 124 121 125 120	3.4 5.5 4.8 28 20 17 19 40 41 42 43 43 45 41 42.5 43.5 44.5		390 NA NA 815 540 325 350 61 67 92 539 154 145 180 108 110 101	Well Closed " Well Opened " " Well Closed " Well Opened " " " " "
2-VEW-12	1/3/2002 1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/15/2002 3/20/2002 3/31/2002 4/1/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002	15:00 18:00 18:00 15:10 15:48 10:00 13:00 14:00 14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:45 8:45	75 NA NA NA 75 49 39 44 NA 117 120 121 121 125 124 124 121 125 120 122	3.4 5.5 4.8 28 20 17 19 40 41 42 43 43 45 41 42.5 44.5 44.5		390 NA NA NA 815 540 325 350 61 67 92 539 154 145 180 108 110 101 100 88	Well Closed Well Opened Well Closed Well Closed
2-VEW-12	1/3/2002 1/10/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/1/2002 3/20/2002 3/29/2002 3/30/2002 3/31/2002 4/1/2002 4/4/2002 4/4/2002 4/4/2002 4/8/2002 4/8/2002 4/9/2002 4/9/2002 4/9/2002 4/9/2002 4/9/2002 4/9/2002	15:00 15:00 18:00 15:10 15:48 10:00 13:00 14:00 14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:00 12:45 8:45	75 NA NA NA NA 75 49 39 44 NA 117 120 121 121 125 124 124 121 125 120 122 125	3.4 5.5 4.8 28 20 17 19 40 41 42 43 43 45 41 42.5 43.5 44.5 44 43		390 NA NA NA 815 540 325 350 61 67 92 539 154 145 180 108 110 101 100 88 132	Well Closed " " Well Opened " " Well Closed " Well Opened " " " " " " " " " " " " " " "
2-VEW-12	1/3/2002 1/13/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/1/2002 2/15/2002 3/29/2002 3/31/2002 4/1/2002 4/1/2002 4/4/2002 4/4/2002 4/4/2002 4/9/2002 4/10/2002 4/10/2002 4/10/2002 4/10/2002 4/10/2002 4/10/2002 4/10/2002	15:00 15:00 18:00 15:10 15:48 10:00 14:00 14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:30	75 NA NA NA NA 75 49 39 44 NA 117 120 121 121 125 124 124 121 125 120 122 125 NA	3.4 5.5 4.8 28 20 17 19 40 41 42 43 43 45 41 42.5 43.5 44.4 44 43 NA		390 NA NA NA 815 540 325 350 61 67 92 539 154 145 180 108 110 101 100 88 1132 NA	Well Closed " Well Opened " Well Closed Well Opened " " " " " " " " " " " " " " " " "
2-VEW-12	1/3/2002 1/18/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/1/2002 3/29/2002 3/30/2002 3/31/2002 4/1/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002	15:00 15:00 18:00 15:10 15:48 10:00 14:00 14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:30 19:35	75 NA NA NA 75 49 39 44 NA 117 120 121 121 125 124 124 121 125 120 122 125 NA	3.4 5.5 4.8 28 20 17 19 40 41 42 43 43 45 41 42.5 43.5 44,5 44 43 NA 43		390 NA NA NA 815 540 325 350 61 67 92 539 154 145 180 108 110 101 100 88 132 NA NA	Well Closed " Well Opened " Well Closed " Well Opened " " " " " " " " " " " " " " " " " " "
2-VEW-12	1/3/2002 1/13/2002 1/18/2002 1/18/2002 1/24/2002 1/31/2002 2/15/2002 2/15/2002 3/29/2002 3/31/2002 4/1/2002 4/1/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002 4/1/2002	15:00 15:00 18:00 15:10 15:48 10:00 11:00 14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:30 19:35 18:37	75 NA NA NA NA 75 49 39 44 NA 117 120 121 121 125 124 124 121 125 120 122 125 NA 122 117	3.4 5.5 4.8 28 20 17 19 40 41 42 43 43 45 41 42.5 43.5 44.5 44 44 43 NA 43 38		390 NA NA NA 815 540 325 350 61 67 92 539 154 145 180 108 110 101 100 88 132 NA NA	Well Closed " Well Opened " Well Closed Well Opened " " " " " " " " " " " " " " " " " "
2VEW-12	1/3/2002 1/13/2002 1/18/2002 1/24/2002 1/31/2002 2/13/2002 2/15/2002 3/25/2002 3/30/2002 3/31/2002 3/31/2002 4/1/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/1/2002	15:00 15:00 18:00 15:10 15:48 10:00 13:00 14:00 14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:45 8:45 14:30 19:35 18:37 15:20	75 NA NA NA NA 75 49 39 44 NA 117 120 121 121 125 124 124 124 122 125 120 122 125 NA 122 117	3.4 5.5 4.8 28 20 17 19 40 41 42 43 45 41 42.5 43.5 44,5 44 43 NA 43 38 44		390 NA NA NA 815 540 325 350 61 67 92 539 154 145 180 108 110 101 100 88 132 NA NA S55 NA	Well Closed " Well Opened " Well Closed " Well Closed " " " " " " " " " " " " " " " " " "
2-VEW-12	1/3/2002 1/18/2002 1/18/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/15/2002 3/29/2002 3/39/2002 3/31/2002 4/1/2002 4/1/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/1/2002	15:00 15:00 18:00 15:10 15:48 10:00 13:00 11:00 14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:45 8:45 14:30 19:35 18:37 15:20 15:51	75 NA NA NA NA 75 49 39 44 NA 117 120 121 121 125 124 124 125 120 122 125 NA 122 117 117	3.4 5.5 4.8 28 20 17 19 40 41 42 43 43 45 41 42.5 43.5 44.5 44 43 NA 43 NA 43 38		390 NA NA NA 815 540 325 350 61 67 92 539 154 145 180 108 110 101 100 88 132 NA NA 55 NA 36	Well Closed " Well Opened " Well Closed Well Opened " " " " " " " " " " " " " " " " " "
2vew-12	1/3/2002 1/13/2002 1/13/2002 1/3/12002 1/3/12002 2/1/2002 2/15/2002 3/29/2002 3/39/2002 3/31/2002 4/1/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/1/2002 5/3/2002	15:00 15:00 18:00 15:10 15:148 10:00 14:00 14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:20 11:00 12:45 8:45 14:30 19:33 18:37 15:20 15:51 12:48	75 NA NA NA 75 49 39 44 NA 117 120 121 121 125 124 124 122 125 120 122 125 NA 122 117 117 117 119 107	3.4 5.5 4.8 28 20 17 19 40 41 42 43 45 41 42.5 44.5 44 43 NA 43 38 44 34 37		390 NA NA NA 815 540 325 350 61 67 92 539 154 145 180 108 110 101 100 88 132 NA NA 555 NA 36 35	Well Closed Well Opened Well Closed Well Opened
2-VEW-12	1/3/2002 1/13/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/1/2002 3/25/2002 3/25/2002 3/30/2002 3/31/2002 4/1/2002 4/1/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/1/2002 5/3/2002 5/3/2002	15:00 15:00 18:00 15:10 15:48 10:00 13:00 11:00 14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:45 8:45 14:30 19:35 18:37 15:20 15:51	75 NA NA NA NA 75 49 39 44 NA 117 120 121 121 125 124 124 122 125 NA 122 117 119 107 113	3.4 5.5 4.8 28 20 17 19 40 41 42 43 43 45 41 42.5 43.5 44.5 44.5 44.5 44.5 44.5 44.5 44		390 NA NA NA 815 540 325 350 61 67 92 539 154 145 180 108 110 101 100 88 132 NA NA 55 NA 36 35 * 2.0	Well Closed " Well Opened " Well Closed Well Opened " " " " " " " " " " " " " " " " " "
2vew-12	1/3/2002 1/13/2002 1/13/2002 1/3/12002 1/3/12002 2/1/2002 2/15/2002 3/29/2002 3/39/2002 3/31/2002 4/1/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/1/2002 5/3/2002	15:00 15:00 18:00 15:10 15:148 10:00 14:00 14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:20 11:00 12:45 8:45 14:30 19:33 18:37 15:20 15:51 12:48	75 NA NA NA NA 75 49 39 44 NA 117 120 121 121 125 124 124 122 125 120 122 117 117 117 117 117 117 117 117 117	3.4 5.5 4.8 28 20 17 19 40 41 42 43 43 45 41 42.5 43.5 44.5 44 44 43 NA 43 NA 43 38 44 34 37 41.5		390 NA NA NA 815 540 325 350 61 67 92 539 154 145 180 108 110 101 100 88 132 NA NA NA 55 NA 36 35 * 2.0	Well Closed " Well Opened " Well Closed Well Opened " " " " " " " " " " " " " " " " " "
2-vew-12	1/3/2002 1/13/2002 1/18/2002 1/24/2002 1/31/2002 2/1/2002 2/1/2002 3/25/2002 3/25/2002 3/30/2002 3/31/2002 4/1/2002 4/1/2002 4/4/2002 4/4/2002 4/4/2002 4/4/2002 4/1/2002 5/3/2002 5/3/2002	15:00 15:00 18:00 18:00 15:10 15:48 10:00 14:00 14:00 14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:00 12:45 8:45 14:30 19:35 18:37 15:20 15:51 12:48 19:10	75 NA NA NA NA 75 49 39 44 NA 117 120 121 121 125 124 124 122 125 NA 122 117 119 107 113	3.4 5.5 4.8 28 20 17 19 40 41 42 43 43 45 41 42.5 43.5 44.5 44.5 44.5 44.5 44.5 44.5 44		390 NA NA NA 815 540 325 350 61 67 92 539 154 145 180 108 110 101 100 88 132 NA NA 55 NA 36 35 * 2.0	Well Closed " Well Opened " Well Closed " Well Closed " " " " " " " " " " " " " " " " " "
2-VEW-12	1/3/2002 1/18/2002 1/18/2002 1/31/2002 1/31/2002 2/1/2002 2/1/2002 2/15/2002 3/29/2002 3/31/2002 4/1/2002 5/2/2002 5/2/2002 5/2/2002 5/2/2002 5/2/2002	15:00 15:00 18:00 15:10 15:48 10:00 11:00 14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:35 18:37 15:51 12:48 19:10 16:20 8:35	75 NA NA NA NA 75 49 39 44 NA 117 120 121 121 125 124 124 122 125 120 122 117 117 117 117 117 117 117 117 117	3.4 5.5 4.8 28 20 17 19 40 41 42 43 43 45 41 42.5 43.5 44.5 44 44 43 NA 43 NA 43 38 44 34 37 41.5		390 NA NA NA 815 540 325 350 61 67 92 539 154 145 180 108 110 101 100 88 132 NA NA NA 55 NA 36 35 * 2.0	Well Closed " Well Opened " Well Closed Well Opened " " " " " " " " " " " " " " " " " "

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	FID (ppmv)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-13A	11/27/2001	13:00	17	25		1,700	Well Closed 11/28/01-1/2/
	1/3/2002	15:00	10	23		95	Well Opened
	1/10/2002	15:00	12	32		380	,,
	1/18/2002	18:00	22	48		375	
	1/24/2002	15:10	45	44		420	
	1/31/2002	15:48	23	29		500	
	2/1/2002	10:00	18	20		390	
	2/6/2002	13:00	16	17		375	
	2/15/2002	11:00	15	19		189	
	3/20/2002	14:00	NA	47		161	
	3/29/2002	14:20	1	6.5		NA	Well Closed
	3/30/2002	10:58	0.3	7.5		NA	"
	3/31/2002	10:31	0.7	8		NA	"
	4/1/2002	16:50	NA	9		NA	"
	4/2/2002	11:40	NA	10		NA	"
	4/4/2002	17:00	NA	6		NA	"
	4/5/2002	11:30	NA	8		NA	"
	4/6/2002	12:00	NA	8		NA	"
	4/7/2002	11:00	NA	9		NA	"
	4/8/2002	12:45	NA	10		NA	"
	4/9/2002	8:45	NA	10		NA	"
	4/10/2002	14:30	NA	9		NA	"
	4/11/2002	19:35	NA	NA		NA	"
	4/12/2002	18:37	NA	7		NA	
	4/17/2002	15:20	NA	4.5		NA	,,
	4/23/2002	15:51	NA	10		NA	,,
	5/3/2002	12:48	NA	5		NA	,
	5/9/2002	19:10	NA	9		NA	
	5/23/2002	16:20	NA	11		NA	
	6/13/2002	8:35	NA	11		NA	
	6/20/2002	10:17	NA	11		NA	
	6/27/2002	12:34	NA	9		NA	
	7/3/2002	11:00	NA	8		NA	,,
2-VEW-13B	11/27/2001	13:00	40	25		1,850	Well Closed 11/28/01-1/2/
	1/3/2002	15:00	35	21		990	Well Opened
	1/10/2002	15:00	NA	5		NA	,,,
	1/18/2002	18:00	NA	4.7		NA	,,
	1/24/2002	15:10	NA	5.1		NA	,,
	1/31/2002	15:48	22	29		3,550	"
	2/1/2002	10:00	12	20		2,500	"
	2/6/2002	13:00	12	17		1,900	,,
	2/15/2002	11:00	9.6	19		1,590	Well Closed
						1,070	" Chicket
			NΔ	53		303	
	3/20/2002	14:00	NA 6	53 24.5		303 170	Well Opened
	3/29/2002	14:20	6	24.5		170	Well Opened
	3/29/2002 3/30/2002	14:20 10:58	6 8	24.5 26		170 289	Well Opened
	3/29/2002 3/30/2002 3/31/2002	14:20 10:58 10:31	6 8 5.6	24.5 26 26		170 289 327	"
	3/29/2002 3/30/2002 3/31/2002 4/1/2002	14:20 10:58 10:31 16:50	6 8 5.6 5.8	24.5 26 26 27		170 289 327 291	
	3/29/2002 3/30/2002 3/31/2002 4/1/2002 4/2/2002	14:20 10:58 10:31 16:50 11:40	6 8 5.6 5.8 7.6	24.5 26 26 27 30		170 289 327 291 621	" "
	3/29/2002 3/30/2002 3/31/2002 4/1/2002 4/2/2002 4/4/2002	14:20 10:58 10:31 16:50 11:40 17:00	6 8 5.6 5.8 7.6 10	24.5 26 26 27 30 23		170 289 327 291 621 632	
	3/29/2002 3/30/2002 3/31/2002 4/1/2002 4/2/2002 4/4/2002 4/5/2002	14:20 10:58 10:31 16:50 11:40 17:00 11:30	6 8 5.6 5.8 7.6 10 8.6	24.5 26 26 27 30 23 28		170 289 327 291 621 632 605	
	3/29/2002 3/30/2002 3/31/2002 4/1/2002 4/2/2002 4/4/2002 4/5/2002 4/6/2002	14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:00	6 8 5.6 5.8 7.6 10 8.6 8.5	24.5 26 26 27 30 23 28 28		170 289 327 291 621 632 605 626	
	3/29/2002 3/30/2002 3/31/2002 4/1/2002 4/2/2002 4/5/2002 4/6/2002 4/7/2002	14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:00 11:00	6 8 5.6 5.8 7.6 10 8.6 8.5	24.5 26 26 27 30 23 28 28 28		170 289 327 291 621 632 605 626 582	
	3/29/2002 3/30/2002 3/31/2002 4/1/2002 4/2/2002 4/4/2002 4/6/2002 4/7/2002 4/8/2002	14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:00 11:00 12:45	6 8 5.6 5.8 7.6 10 8.6 8.5 8	24.5 26 26 27 30 23 28 28 28 28.5 29		170 289 327 291 621 632 605 626 582 794	
	3/29/2002 3/31/2002 3/31/2002 4/1/2002 4/2/2002 4/4/2002 4/6/2002 4/6/2002 4/8/2002 4/8/2002 4/8/2002 4/9/2002	14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:00 11:00 12:45 8:45	6 8 5.6 5.8 7.6 10 8.6 8.5 8	24.5 26 26 27 30 23 28 28 28,5 29		170 289 327 291 621 632 605 626 582 794 697	
	3/29/2002 3/31/2002 4/1/2002 4/1/2002 4/4/2002 4/5/2002 4/6/2002 4/7/2002 4/8/2002 4/9/2002 4/10/2002	14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:30	6 8 5.6 5.8 7.6 10 8.6 8.5 8 7.5 8	24.5 26 27 30 23 28 28 28.5 29 29		170 289 327 291 621 632 605 626 582 794 697 623	
	3/29/2002 3/31/2002 4/1/2002 4/1/2002 4/2/2002 4/5/2002 4/6/2002 4/6/2002 4/8/2002 4/9/2002 4/10/2002 4/11/2002	14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:30 19:35	6 8 5.6 5.8 7.6 10 8.6 8.5 8 7.5 8 8.3 NA	24.5 26 26 27 30 23 28 28 28,5 29 29		170 289 327 291 621 632 605 626 582 794 697 623 NA	
	3/29/2002 3/30/2002 3/31/2002 4/1/2002 4/1/2002 4/4/2002 4/5/2002 4/7/2002 4/7/2002 4/10/2002 4/11/2002 4/11/2002 4/11/2002	14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:30 19:35 18:37	6 8 5.6 5.8 7.6 10 8.6 8.5 8 7.5 8 8.3 NA 31.1	24.5 26 26 27 30 23 28 28 28.5 29 29 26 NA		170 289 327 291 621 632 605 626 582 794 697 623 NA	
	3/29/2002 3/31/2002 3/31/2002 4/1/2002 4/1/2002 4/4/2002 4/6/2002 4/7/2002 4/9/2002 4/10/2002 4/11/2002 4/11/2002 4/11/2002 4/11/2002	14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:30 19:35 18:37 15:20	6 8 5.6 5.8 7.6 10 8.6 8.5 8 7.5 8 8.3 NA 31.1	24.5 26 26 27 30 23 28 28.5 29 29 29 26 NA 47 40.5		170 289 327 291 621 632 605 626 582 794 697 623 NA	
	3/29/2002 3/30/2002 3/31/2002 4/1/2002 4/1/2002 4/4/2002 4/6/2002 4/7/2002 4/7/2002 4/10/2002 4/11/2002 4/11/2002 4/11/2002 4/11/2002 4/11/2002 4/13/2002	14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:30 19:35 18:37 15:20	6 8 5.6 5.8 7.6 10 8.5 8 7.5 8 8.3 NA 31.1 38.2 27.5	24.5 26 27 30 23 28 28.5 29 29 26 NA 47 40.5		170 289 327 291 632 605 626 582 794 697 623 NA NA 567	
	3/29/2002 3/31/2002 3/31/2002 4/1/2002 4/1/2002 4/4/2002 4/6/2002 4/6/2002 4/9/2002 4/10/2002 4/11/2002 4/11/2002 4/11/2002 4/12/2002 4/13/2002 5/3/2002	14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:40 11:00 12:45 8:45 14:30 19:35 18:37 15:20 15:51	6 8 5.6 5.8 7.6 10 8.6 8.5 8 7.5 8 8.3 NA 31.1 38.2 27.5 33.5	24.5 26 26 27 30 23 28 28 28.5 29 29 29 26 NA 47 40.5 47 37.5		170 289 327 291 621 632 605 626 582 794 697 623 NA NA S67 NA	
	3/29/2002 3/30/2002 3/31/2002 4/1/2002 4/1/2002 4/4/2002 4/4/2002 4/7/2002 4/9/2002 4/10/2002 4/11/2002 4/11/2002 4/11/2002 4/12/2002 5/3/2002 5/3/2002	14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:30 19:35 18:37 15:20 15:51 12:48	6 8 5.6 5.8 7.6 10 8.6 8.5 8 7.5 8 8.3 NA 31.1 38.2 27.5 33.5	24.5 26 26 27 30 23 28 28.5 29 29 26 NA 47 40.5 47 37.5 41		170 289 327 291 621 632 605 626 582 794 697 623 NA NA 567 NA 388 340	
	3/29/2002 3/31/2002 3/31/2002 4/1/2002 4/1/2002 4/4/2002 4/6/2002 4/6/2002 4/10/2002 4/10/2002 4/11/2002 4/11/2002 4/11/2002 4/11/2002 4/11/2002 5/3/2002 5/3/2002 5/3/2002	14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:30 19:35 18:37 15:20 15:51 12:48	6 8 5.6 5.8 7.6 10 8.6 8.5 8 7.5 8 8.3 NA 31.1 38.2 27.5 33.5 27	24.5 26 26 27 30 23 28 28 28,5 29 29 26 NA 47 40.5 41 47 45		170 289 327 291 621 632 605 626 582 794 697 623 NA NA 567 NA 388 340 * 25	
	3/29/2002 3/31/2002 4/1/2002 4/1/2002 4/1/2002 4/4/2002 4/6/2002 4/7/2002 4/9/2002 4/10/2002 4/11/2002 4/11/2002 4/11/2002 4/12/2002 5/3/2002 5/3/2002 5/3/2002 5/3/2002	14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:30 19:35 18:37 15:51 12:48 19:10 16:20 8:35	6 8 5.6 5.8 7.6 10 8.6 8.5 8 7.5 8 8.3 NA 31.1 38.2 27.5 33.5 27 32.4 38	24.5 26 26 27 30 23 28 28.5 29 29 29 26 NA 47 40.5 47 47,55		170 289 327 291 621 632 605 626 582 794 697 623 NA NA 567 NA 388 340 * 25 * 42	
	3/29/2002 3/30/2002 3/31/2002 4/1/2002 4/1/2002 4/4/2002 4/6/2002 4/7/2002 4/7/2002 4/10/2002 4/11/2002 4/11/2002 4/11/2002 4/12/2002 5/3/2002 5/3/2002 5/3/2002 6/13/2002 6/13/2002	14:20 10:58 10:31 16:50 11:40 17:00 11:20 11:00 12:00 11:00 12:45 8:45 14:30 19:35 18:37 15:51 12:48 19:10 16:20 8:35	6 8 5.6 5.8 7.6 10 8.5 8 8.5 8 8.3 NA 31.1 38.2 27.5 33.5 27 32.4 38	24.5 26 26 27 30 23 28 28.5 29 29 26 NA 47 40.5 47 40.5 41 45 45.5 46.5		170 289 327 291 621 632 605 626 582 794 697 623 NA NA 567 NA 388 340 * 25 * 442 * 25	
	3/29/2002 3/31/2002 4/1/2002 4/1/2002 4/1/2002 4/4/2002 4/6/2002 4/7/2002 4/9/2002 4/10/2002 4/11/2002 4/11/2002 4/11/2002 4/12/2002 5/3/2002 5/3/2002 5/3/2002 5/3/2002	14:20 10:58 10:31 16:50 11:40 17:00 11:30 12:00 11:00 12:45 8:45 14:30 19:35 18:37 15:51 12:48 19:10 16:20 8:35	6 8 5.6 5.8 7.6 10 8.6 8.5 8 7.5 8 8.3 NA 31.1 38.2 27.5 33.5 27 32.4 38	24.5 26 26 27 30 23 28 28.5 29 29 29 26 NA 47 40.5 47 47,55		170 289 327 291 621 632 605 626 582 794 697 623 NA NA 567 NA 388 340 * 25 * 42	

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	FID (ppmv)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-14A	11/27/2001	13:00	18	25		1,300	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	19	23		390	Well Opened
	1/10/2002	15:00	NA	22		700	,,
	1/18/2002	18:00	40	48		520	"
	1/24/2002	15:10	75	42		415	"
	1/31/2002	15:48	52	28		140	"
	2/1/2002	10:00	43	20		140	,,
	2/6/2002	13:00	44	17		102	,,
	2/15/2002	11:00	46	18		50	"
	3/20/2002	14:00	NA	42		58	
	3/29/2002	14:20	18	44		NA	Well Closed
	3/30/2002	10:58	0.3	6		NA	,,
	3/31/2002	10:31	0.1	7		NA	
	4/1/2002	16:50	NA	7		NA NA	
	4/2/2002	11:40	NA	8		NA NA	,,
	4/4/2002	17:00	NA	6.5		NA NA	,,
	4/5/2002	11:30	NA	9		NA NA	,,
	4/6/2002 4/7/2002	12:00	NA	9		NA NA	,,
		11:00	NA	9.5 10.5		NA NA	,,
	4/8/2002	12:45	NA			NA NA	,,
	4/9/2002 4/10/2002	8:45 14:30	NA NA	10 10		NA NA	,,
	4/11/2002	19:35	NA NA	NA		NA NA	,,
							,,
	4/12/2002 4/17/2002	18:37 15:20	20 33	20 16		NA 27	,,
							,,
	4/23/2002 5/3/2002	15:51 12:48	24 26.6	22 14		NA 23	,,
	5/3/2002 5/9/2002	12:48 19:10	26.6 NA	14 8		NA	,,
	5/23/2002	16:20	NA NA	9		NA NA	,,
	6/13/2002	8:35	NA NA	9		NA NA	,,
	6/20/2002	10:17	NA NA	9		NA NA	,,
	6/27/2002	12:34	NA NA	8.5		NA NA	,,
	7/3/2002	11:00	NA NA	9		NA NA	,,
	11312002	11:00	NA	, 		NA	
2-VEW-14B	11/27/2001	13:00	33	25.0		1,750	Initial Startup
	11/28/2001	13:15	NA	27.5		3,000	Well Opened
	11/30/2001	14:20	NA	27.0		NA	,,
	12/3/2001	17:10	NA	26.0		NA	"
	12/4/2001	10:15	NA	28.0		960	"
	12/5/2001	16:30	NA	28.0		2,400	,,
	12/6/2001	8:30	NA	28.2		2,930	,,
	12/7/2001	7:30	NA	29.5		3,875	,,
	12/8/2001	16:00	NA	29.0		2,650	,,
	12/9/2001	13:00	NA	24.0		NA	,,
	12/10/2001	16:00	NA	28.0		4,075	,,
	12/11/2001	11:00	NA	30.0		3,850	Well Closed
	12/12/2001	19:15	NA	1.9		NA	,,
	12/13/2001	11:15	NA	0.8		NA	"
	12/20/2001	15:10	NA	1.6		NA	
	12/28/2001	11:00	40	21.0		830	Well Opened
	1/3/2002	15:00	40	21.0		830	
	1/10/2002	15:00	NA	4.2		NA	
	1/18/2002	18:00	NA	5.9		NA	"
	1/24/2002	15:10	NA	5.2		NA	"
	1/31/2002	15:48	21	28.0		1,015	"
	2/1/2002	10:00	16	20.0		765	"
	2/6/2002	13:00	NA	17.0		600	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	2/15/2002	11:00	13	18		520	Well Closed
	3/20/2002	14:00	NA	47		79	,,
	3/29/2002	14:20	24.5	27		163	Well Opened
	3/30/2002	10:58	16.7	28.5		94	,,
	3/31/2002	10:31	17	29		191	
	4/1/2002	16:50	16	29		208	"
	4/2/2002	11:40	16	30		190	"
	4/4/2002	17:00	16.4	29.5		240	"
	4/5/2002	11:30	17.3	28.5		206	"
	4/6/2002	12:00	16.9	29		200	"
	4/7/2002	11:00	17.6	29.5		191	"
	4/8/2002	12:45	17.8	30.5		189	"
	4/9/2002	8:45	16.7	29		207	
	4/10/2002	14:30	17.6	28		210	
	4/11/2002	19:35	NA	NA		NA	"
	4/12/2002	18:37	11	26		NA	"
	4/17/2002	15:20	11.3	20		210	"
		15:51	10.5	28		NA	,,
	4/23/2002			16		129	
	5/3/2002	12:48	10.9				
	5/3/2002 5/9/2002	12:48 19:10	11	23		58	"
	5/3/2002	12:48		23 9		NA	
	5/3/2002 5/9/2002	12:48 19:10	11	23		NA * 5.2	,,
	5/3/2002 5/9/2002 5/23/2002	12:48 19:10 16:20	11 10.8	23 9		NA * 5.2 *7.0	
	5/3/2002 5/9/2002 5/23/2002 6/13/2002	12:48 19:10 16:20 8:35	11 10.8 11	23 9 26		NA * 5.2	,,

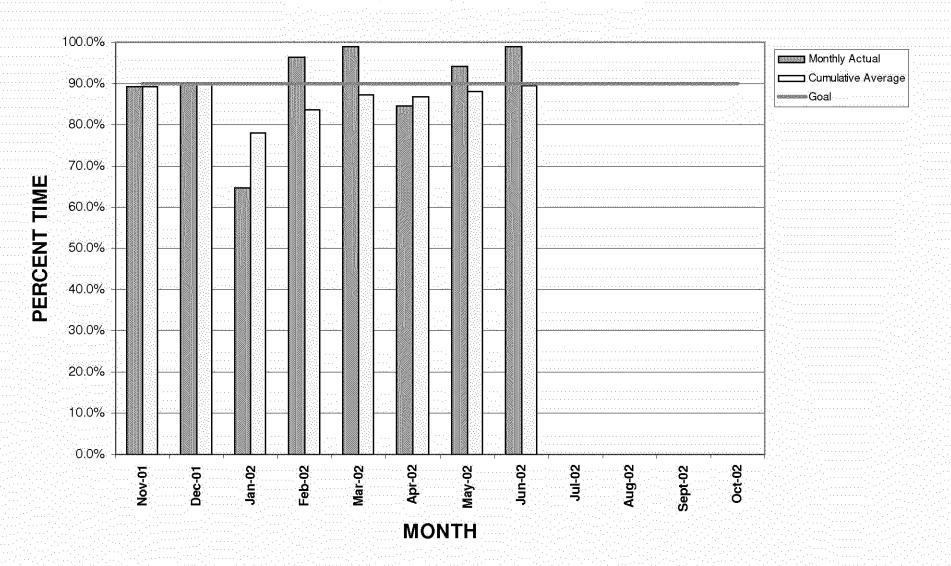
WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	FID (ppmv)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-15A	11/27/2001	13:00	41	30		1,170	Well Closed 11/28/01-1/2/
	1/3/2002	15:00	23	18		67	Well Opened
	1/10/2002	15:00	NA	1.9		NA	,,
	1/18/2002	18:00	61	47		810	
	1/24/2002	15:10	83	43		585	
	1/31/2002	15:48	37	28		500	,,
	2/1/2002	10:00	27	20		300	,,
	2/6/2002	13:00	23	16		290	,,
	2/15/2002	11:00	29	18		150	,,
	3/29/2002	14:20	1	5		NA	Well Closed
	3/30/2002	10:58	0.5	6		NA	"
	3/31/2002	10:31	4	6		NA	,,
	4/1/2002	16:50	NA	7		NA	"
	4/2/2002	11:40	NA	8		NA	"
	4/4/2002	17:00	NA	4		NA	"
	4/5/2002	11:30	NA	6		NA	"
	4/6/2002	12:00	NA	6.5		NA	"
	4/7/2002	11:00	NA	7		NA	"
	4/8/2002	12:45	NA	8		NA	,,
	4/9/2002	8:45	NA	8		NA	,,
	4/10/2002	14:30	NA	7		NA	"
	4/11/2002	19:35	NA	NA		NA	"
	4/12/2002	18:37	NA	6		NA NA	"
	4/17/2002	15:20	NA.	3.5		NA NA	"
	4/23/2002	15:51	NA.	7		NA NA	"
	5/3/2002	12:48	NA NA	3		NA NA	,,
	5/9/2002	19:10	NA NA	6		NA NA	
	5/23/2002	16:20	NA NA	7		NA NA	,,
	6/13/2002	8:35	NA NA	7		NA NA	,,
	6/20/2002	8:35 10:17	NA NA	7		NA NA	,,
	6/27/2002	10:17	NA NA	7		NA NA	,,
	7/3/2002	11:00	NA NA	7		NA NA	"
2-VEW-15B	11/27/2001	13:00	22	25		1,120	Well Closed 11/28/01-1/2/
	1/3/2002	15:00	20	21		575	Well Opened
	1/10/2002	15:00	23	22		2,100	"
	1/18/2002	18:00	61	47		810	,,
	1/24/2002	15:10	NA.	5.1		NA	,,
	1/31/2002	15:48	10	28		1,400	,,
	2/1/2002	10:00	7	21		925	,,
	2/6/2002	13:00	6	16		765	,,
	2/15/2002	11:00	6	18		665	Well Closed
	3/20/2002	14:00	NA.	51		113	wen closed
	3/29/2002	14:20	19	39		300	Well Opened
	3/30/2002	10:58	18	41		414	well Opened
	3/31/2002	10:38	18	41		412	,,
	4/1/2002	16:50	16	29		208	,,
				44		360	,,
	4/2/2002	11:40	18				,,
	4/4/2002	17:00	18.8	39		385	.,
	4/5/2002	11:30	20.5	40.5		315	
	4/6/2002	12:00	18.5	42		311	,,
	4/7/2002	11:00	17.6	43		276	,,
	4/8/2002	12:45	20	44		289	
	4/9/2002	8:45	18.7	44		284	,,
	4/10/2002	14:30	18.2	42		277	,,
	4/11/2002	19:35	NA	NA		NA	
	4/12/2002	18:37	18.4	48		NA	"
				41		254	,,
	4/17/2002	15:20	24.5	41			
	4/17/2002 4/23/2002	15:51	18	48		NA	
	4/17/2002 4/23/2002 5/3/2002	15:51 12:48	18 20.3	48 37		NA 148	,,
	4/17/2002 4/23/2002 5/3/2002 5/9/2002	15:51 12:48 19:10	18 20.3 18	48 37 40		NA 148 169	n n
	4/17/2002 4/23/2002 5/3/2002	15:51 12:48	18 20.3 18 18.6	48 37 40 45		NA 148 169 * 13	n n n
	4/17/2002 4/23/2002 5/3/2002 5/9/2002	15:51 12:48 19:10 16:20 8:35	18 20.3 18	48 37 40 45 47		NA 148 169 * 13 * 14	n n n
	4/17/2002 4/23/2002 5/3/2002 5/9/2002 5/23/2002	15:51 12:48 19:10 16:20	18 20.3 18 18.6	48 37 40 45		NA 148 169 * 13 * 14 * 18	0 0 0 0
	4/17/2002 4/23/2002 5/3/2002 5/9/2002 5/23/2002 6/13/2002 6/20/2002 6/27/2002	15:51 12:48 19:10 16:20 8:35 10:17 12:34	18 20.3 18 18.6 21.7 19 21.2	48 37 40 45 47 46 45		NA 148 169 * 13 * 14 * 18 * 11	
	4/17/2002 4/23/2002 5/3/2002 5/9/2002 5/23/2002 6/13/2002 6/20/2002	15:51 12:48 19:10 16:20 8:35 10:17	18 20.3 18 18.6 21.7	48 37 40 45 47 46		NA 148 169 * 13 * 14 * 18	" " " " "
2-VEW-16A	4/17/2002 4/23/2002 5/3/2002 5/9/2002 5/23/2002 6/3/2002 6/20/2002 6/27/2002 7/3/2002	15:51 12:48 19:10 16:20 8:35 10:17 12:34	18 20.3 18 18.6 21.7 19 21.2	48 37 40 45 47 46 45 45		NA 148 169 * 13 * 14 * 18 * 11	Well Opened
2-VEW-16A	4/17/2002 4/23/2002 5/3/2002 5/9/2002 5/23/2002 6/13/2002 6/20/2002 6/27/2002 7/3/2002	15:51 12:48 19:10 16:20 8:35 10:17 12:34 11:00	18 20.3 18 18.6 21.7 19 21.2 29	48 37 40 45 47 46 45 45		NA 148 169 * 13 * 14 * 18 * 11 72	
2-VEW-16A	4/17/2002 4/23/2002 5/3/2002 5/9/2002 5/23/2002 6/20/2002 6/27/2002 7/3/2002 5/9/2002 5/23/2002	15:51 12:48 19:10 16:20 8:35 10:17 12:34 11:00	18 20.3 18 18.6 21.7 19 21.2 29	48 37 40 45 47 46 45 45		NA 148 169 * 13 * 14 * 18 * 11 72	Well Opened Well Closed
-VEW-16A	4/17/2002 4/23/2002 5/3/2002 5/9/2002 5/23/2002 6/3/2002 6/27/2002 7/3/2002 5/9/2002 5/23/2002 6/3/2002	15:51 12:48 19:10 16:20 8:35 10:17 12:34 11:00	18 20.3 18 18.6 21.7 19 21.2 29	48 37 40 45 47 46 45 45 45		NA 148 169 * 13 * 14 * 18 * 11 72	Well Opened Well Closed ""
	4/17/2002 4/23/2002 5/3/2002 5/9/2002 5/23/2002 6/20/2002 6/27/2002 7/3/2002 5/9/2002 5/23/2002	15:51 12:48 19:10 16:20 8:35 10:17 12:34 11:00	18 20.3 18 18.6 21.7 19 21.2 29	48 37 40 45 47 46 45 45 45		NA 148 169 * 13 * 14 * 18 * 11 72	Well Opened Well Closed
2-VEW-16A	4/17/2002 4/23/2002 5/3/2002 5/3/2002 6/3/2002 6/3/2002 6/27/2002 7/3/2002 5/3/2002 5/3/2002 6/20/2002 6/20/2002 6/20/2002	15:51 12:48 19:10 16:20 8:35 10:17 12:34 11:00	18 20.3 18 18.6 21.7 19 21.2 29 10 NA NA NA NA NA	48 37 40 45 47 46 45 45 45 41 12.5 16 16 16 12		NA 148 169 * 13 * 14 * 18 * 11 72 13 NA NA NA NA NA	Well Opened Well Closed
	4/17/2002 4/23/2002 5/3/2002 5/3/2002 6/13/2002 6/20/2002 6/27/2002 7/3/2002 5/23/2002 6/27/2002 6/27/2002 6/27/2002 6/27/2002 6/27/2002 5/27/2002	15:51 12:48 19:10 16:20 8:35 10:17 12:34 11:00 19:10 16:20 8:35 10:17 12:34	18 20.3 18.6 18.6 21.7 19 21.2 29 10 NA	48 37 40 45 47 46 45 45 45 12.5 16 16 12 12		NA 148 169 * 13 * 14 * 18 * 11 72 13 NA NA NA NA	Well Opened Well Clased "" ""
	4/17/2002 4/23/2002 5/3/2002 5/3/2002 6/3/2002 6/3/2002 6/27/2002 7/3/2002 5/3/2002 5/3/2002 6/20/2002 6/20/2002 6/20/2002	15:51 12:48 19:10 16:20 8:35 10:17 12:34 11:00	18 20.3 18 18.6 21.7 19 21.2 29 10 NA NA NA NA NA	48 37 40 45 47 46 45 45 45 41 12.5 16 16 16 12		NA 148 169 * 13 * 14 * 18 * 11 72 13 NA	Well Opened Well Closed " " " Well Opened Well Closed " " "
	4/17/2002 4/23/2002 5/3/2002 5/3/2002 6/13/2002 6/20/2002 6/27/2002 7/3/2002 5/23/2002 6/27/2002 6/27/2002 6/27/2002 6/27/2002 6/27/2002 5/27/2002	15:51 12:48 19:10 16:20 8:35 10:17 12:34 11:00 19:10 16:20 8:35 10:17 12:34 11:00	18 20.3 18.6 18.6 21.7 19 21.2 29 10 NA	48 37 40 45 47 46 45 45 45 12.5 16 16 12 12		NA 148 169 * 13 * 14 * 18 * 11 72 13 NA	Well Opened Well Closed
	4/17/2002 4/23/2002 5/3/2002 5/9/2002 5/9/2002 6/13/2002 6/27/2002 7/3/2002 5/9/2002 6/27/2002 6/27/2002 6/27/2002 7/3/2002 5/3/2002 5/9/2002 5/9/2002 5/9/2002 5/9/2002	15:51 12:48 19:10 16:20 8:35 10:17 12:34 11:00 19:10 16:20 8:35 10:17 12:34 11:00	18 20.3 18 18.6 21.7 19 21.2 29 10 NA	48 37 40 45 47 46 45 45 45 10 11 12 12 12 12 30 33		NA 148 169 * 13 * 14 * 18 * 11 72 13 NA	Well Opened Well Closed Well Opened
2-VEW-16A 2-VEW-16B	4/17/2002 4/23/2002 5/3/2002 5/3/2002 6/3/2002 6/3/2002 6/27/2002 7/3/2002 5/3/2002 6/27/2002 6/27/2002 6/27/2002 6/27/2002 6/27/2002 6/27/2002 6/27/2002 6/27/2002 6/27/2002 6/27/2002 6/27/2002 6/27/2002 6/27/2002 6/27/2002 6/27/2002	15:51 12:48 19:10 16:20 8:35 10:17 12:34 11:00 19:10 16:20 8:35 10:17 12:34 11:00	18 20.3 18 18.6 21.7 19 21.2 29 10 NA NA NA NA NA NA S1.5	48 37 40 45 47 46 45 45 41 12.5 16 16 12 12 12		NA 148 169 * 13 * 14 * 18 * 11 72 13 NA	Well Opened Well Closed

Site Name: BRC Former C-6 Facility Torrance, California Location: Building 2 SVE system System:

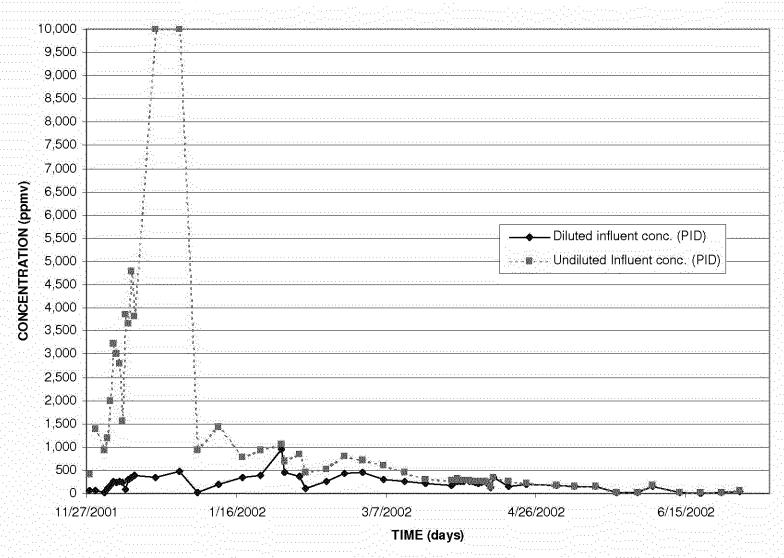
WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	FID (ppmv)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-17A	5/9/2002	19:10	15	23		2	Well Opened
	5/23/2002	16:20	NA	6		NA	Well Closed
	6/13/2002	8:35	NA	6.5		NA	"
	6/20/2002	10:17	NA	6.5		NA	
	6/27/2002	12:34	NA	6		NA	,,
	7/3/2002	11:00	NA	6		NA	"
2-VEW-17B	5/9/2002	19:10	77	42		9	Well Opened
	5/23/2002	16:20	NA	8		NA	Well Closed
	6/13/2002	8:35	NA	8.5		NA	"
	6/20/2002	10:17	NA	9		NA	"
	6/27/2002	12:34	NA	8		NA	"
	7/3/2002	11:00	NA	8		NA	"

Notes:
pgmv: parts per million by volume
sefin: standard cubic foot per minute (scfin corrected for vacuum and temperature)
NA: data was not recorded or available.
(1) Direct flow readings taken by hand-held TSI Veloci-calc Plus
(2) Measurements taken with a MiniRae 2000 PID calibrated to 100 ppmv Hexane, results as Hexane.
* Measurements taken with Foxboro OVA-128 calibrated to Hexane. Results as Hexane.

GRAPH 4
BUILDING 2 MONTHLY PERCENT OPERATION



GRAPH 5
BUILDING 2 SVE SYSTEM TOTAL VOC INFLUENT CONCENTRATIONS



GRAPH 6
BUILDING 2 CUMULATIVE VOLATILE ORGANIC COMPOUND MASS REMOVED

